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Department of Water Resources

BULLETIN No. 68-62

RECLAMATION OF WATER FROM SEWAGE AND INDUSTRIAL WASTES IN CALIFORNIA

JULY 1, 1955—JUNE 30, 1962

OCTOBER 1963

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HUGO FISHER
Administrator
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State of California

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Director
Department of Water Resources

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THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
1120 N STREET, SACRAMENTO

August 5, 1963

Honorable Edmund G. Brown, Governor
and Members of the Legislature of
the State of California

State and Regional Water Pollution Control Boards

Gentlemen:

I have the honor to transmit herewith Bulletin No. 68-62, "Reclamation of Water From Sewage and Industrial Wastes in California, July 1, 1955-June 30, 1962." This is the fourth report to the Governor, the Legislature, and the Water Pollution Control Boards presenting information on waste treatment facilities, quality and quantity of major waste discharges, and waste water reclamation projects throughout the State. This report is made as directed by Section 230 of the Water Code.

This report presents data which serve as a basis for detailed studies of the feasibility of reclaiming waste waters for beneficial use. Investigation of the feasibility and practicability of reclamation of waste waters, under Section 230 of the Water Code, is an integral part of the study and planning activities of this department in the development of the State's water resources.

Included in this report are information and data on 208 waste water treatment plants which were discharging approximately 1,600,000 acre-feet of waste water per year by the end of the reporting period. Of this 1,600,000 acre-feet of waste water, about 90,000 acre-feet were reclaimed annually. The water reclaimed was used primarily for irrigated agriculture with lesser amounts being used for ground water replenishment, industrial, and recreational purposes.

Sincerely yours,

Wilm E. Warne

Director

STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

EDMUND G. BROWN, Governor
HUGO FISHER, Administrator, The Resources Agency of California
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WILLIAM M. CARAH
Executive Secretary

GEORGE B. GLEASON
Principal Engineer

ACKNOWLEDGMENTS

Many of the data used in connection with this report were contributed by public and private agencies and by individuals. The cooperation of the following agencies is gratefully acknowledged:

State Water Pollution Control Board

Regional Water Pollution Control Boards

State Department of Public Health,
Bureau of Sanitary Engineering and
Division of Laboratories

The cooperation received from the many counties, municipalities, public districts, and other entities in the collection of samples for the various analyses reported herein also is gratefully acknowledged.

Unless otherwise indicated, sanitary analyses were performed by the Department of Water Resources' mobile laboratory and by the State Department of Public Health, Division of Laboratories. Mineral analyses were performed by the United States Geological Survey and by laboratories of the Department of Water Resources in both Northern and Southern California. Radiological analyses were performed by the California Disaster Office Laboratory or by a commercial laboratory.

CHAPTER I. INTRODUCTION

The California Department of Water Resources conducts two types of investigations pertaining to reclamation of water from wastes. The first is a continuing statewide inventory program of determining the quantity and quality of waste discharges and, in addition, evaluating the operation of existing reclamation projects. The second type consists of detailed studies at specific locations to evaluate the feasibility of potential waste water reclamation projects. Both of these types of investigations are performed under the authority of Section 230 of the Water Code.

This report is the fourth in a series of reports inventorying waste water reclamation in California, and covers the period from July 1, 1955, to June 30, 1962.

Related Investigations and Reports

The Department of Water Resources previously has published three statewide inventory reports covering the years prior to 1955. These are:

1. Reclamation of Water From Sewage or Industrial Waste. December 1952.

2. Reclamation of Water From Sewage or Industrial Waste. June 1954.

3. Bulletin No. 68, Reclamation of Water From Sewage and Industrial Wastes. July 1, 1953 - June 30, 1955. January 1958.

Three additional reports have been prepared on reclamation of water from wastes in specific areas. These are:

4. Bulletin No. 67, Reclamation of Water From Sewage and Industrial Wastes, Watsonville Area, Santa Cruz and Monterey Counties. 1955.

5. Office Report. Feasibility of Reclamation of Water From Sewage in International Outfall Sewer, Tia Juana Valley, California. December 1955.

6. Bulletin No. 80, Feasibility of Reclamation of Water From Wastes in the Los Angeles Metropolitan Area. December 1961.

Scope of Program and Report

The objectives of this activity are to stimulate an interest in, and to encourage investigation into, the use of reclaimed waste water for beneficial use and to assist, by collecting and presenting data on the quantity and quality of wastes in California which may be susceptible to reclamation.

In general, only waste discharges of more than one-half million gallons per day, or 550 acre-feet per year, are considered. However, in those areas where water may be in short supply or where waste water reclamation is otherwise significant, discharges of less than this amount have been considered.

To obtain data for the preparation of this report, the field program comprised the following:

1. Interviews with waste discharging agencies to obtain flow records, changes in facilities, and reclamation practices.

2. Collection of hourly waste water samples over an 8-hour, 16-hour, or 24-hour period, dependent upon local conditions, for determinations of water quality. The samples were generally composited by flow so that analyses more representative of the

average quality of the discharge could be obtained. When ponded effluents were sampled, only grab samples were collected. Field analyses were made on individual hourly samples to determine pH, temperature, electrical conductivity, and chloride concentration. Hourly flows were also recorded.

Laboratory determinations for sanitary and mineral quality of the samples were made in accordance with the tenth edition of "Standard Methods for the Examination of Water, Sewage, and Industrial Wastes," published by the American Public Health Association. Sanitary analyses included determination of five-day 20°C biochemical oxygen demand, suspended solids, ether soluble material, most probable number of coliform organisms, and, in certain instances, nitrogen and phosphorus series. Mineral analyses consisted of determination of electrical conductivity and pH, and measurements of concentrations of calcium, magnesium, sodium, potassium, carbonate, bicarbonate, sulfate, chloride, nitrate, fluoride, boron, silica, total dissolved solids, hardness, and, in certain instances, ammonium and phosphate. Gross radioactivity was determined on selected discharges after 1957.

Chapter II of this report presents information on the locations, quantities, and characteristics of waste discharges throughout the State. Chapter III discusses factors which are basic to waste water reclamation, and includes a summary tabulation of reclamation operations as of the close of the reporting period.

Basic data, statistics, and general information pertaining to waste treatment facilities in California which discharge more

than one-half million gallons per day are tabulated in the appendixes. Data and information are presented by water pollution control region, of which there are nine in the State. They are:

North Coastal Region (No. 1)

San Francisco Bay Region (No. 2)

Central Coastal Region (No. 3)

Los Angeles Region (No. 4)

Central Valley Region (No. 5)

Lahontan Region (No. 6)

Colorado River Basin Region (No. 7)

Santa Ana Region (No. 8)

San Diego Region (No. 9)

Waste water discharge locations in each of the nine water pollution control regions are shown on plates accompanying this report. Location numbers and agency designations shown on the plates correspond with the numbers and names used in all tabulations in the appendixes.

Definitions

The following terms are defined for use in this report:

Sewage--Any and all waste substance, liquid or solid, associated with human habitation, or which contains or may be contaminated with human or animal excreta or excrement, offal, or any feculent matter. As used in this report, sewage includes all liquid wastes carried by community sewer systems.

Industrial waste--Any and all liquid or solid waste substance, not sewage, from any producing, manufacturing, or processing operation of whatever nature.

Waste water--A term including sewage, industrial waste, or any combination of the two.

Sewerage systems--A system for collecting, transporting, pumping, treating, and disposing of sewage and industrial wastes.

Primary sewage treatment--The first major treatment in a sewage treatment plant which removes, by sedimentation and flotation, a large portion of suspended matter, but little or no colloidal and dissolved matter.

Secondary sewage treatment--The treatment of sewage by biological methods which follows primary treatment, and which accomplishes further stabilization of organic matter.

Reclamation--The process of recovering water from sewage and/or industrial waste for beneficial purposes, whether by means of special facilities or through natural processes.

Planned or deliberate reclamation--The recovery of all or part of the water in a sewage or industrial waste for direct beneficial use where engineering control is maintained.

Incidental reclamation--The recovery of water from sewage or industrial waste subsequent to the discharge of the waste, and which occurs without specific engineering control.

CHAPTER II. WASTE WATER DISCHARGES

This chapter presents a discussion of the characteristics of waste discharge facilities in the State which, with few exceptions, discharged more than one-half million gallons per day during the period July 1, 1955-June 30, 1962. Included in this report are data pertaining to 208 plants which discharged, in 1961-62, a total of approximately 1.6 million acre-feet of waste water. Of this total, slightly more than 1.3 million acre-feet, or about 80 percent, were discharged to tidal waters, while the remainder were discharged, in approximately equal portions, to land (165,000 acre-feet), or to inland waters (169,000 acre-feet). Wastes discharged to tidal waters are not recoverable and are lost forever. Wastes discharged within inland basins to streams and land are available to a degree for subsequent utilization. By infiltrating to underlying ground waters or by mingling with surface flows, the waste waters can be diverted and used. The water losses associated with inland basin disposal are the result of evaporation, and transpiration. That portion of flow in surface streams which reaches tidal waters unused is also lost. These latter losses are not evaluated in this report.

Waste discharge facilities and their characteristics are summarized in the succeeding sections of this chapter by water pollution control region. The location of each facility is shown on the plates accompanying this report. A separate plate has been prepared for each of the nine water pollution control regions.

The treatment processes employed at each waste disposal facility are described, in brief, in Appendix A. Also listed is whether the waste treated is domestic or industrial, and whether ultimate disposal is to land, inland waters, or tidal waters.

Where possible, waste quantities were determined from records of metered flow maintained by discharging agencies. In those cases where flow records were not obtainable, quantities were estimated by the discharging agencies, or by the Department of Water Resources, from intermittent measurements and partial records. Statistics pertaining to the quantities of wastes discharged at each facility are tabulated in Appendix B. Unless otherwise noted, all statistics relating to quantities of wastes presented in this report are for the 12-month period beginning July 1 and ending June 30.

Quality data were obtained by analysis of composite samples. When composite samples could not be obtained, single grab samples were substituted. Also included are analytical data obtained during the course of other investigations, and those supplied by dischargers and other agencies. Results of mineral analyses are presented in Appendix C, and results of sanitary and radiological analyses are listed in Appendix D.

The numbers assigned to each treatment facility are used in all tabulations in the appendixes and correspond with the plant location number shown on the plates.

North Coastal Region (No. 1)

During the period 1955-62, there were six waste water discharges equaling or exceeding one-half million gallons per day in

the North Coastal Region. These discharges were from the communities of Arcata, Eureka, Willits, Ukiah, and Santa Rosa; and from Mendocino State Hospital, located near Ukiah. The locations of these discharges are shown on Plate 1. The total waste discharged by these five agencies ranged from 8,420 to 14,210 acre-feet per year between July 1, 1955, and June 30, 1962, depending upon the amount of precipitation. About 18 percent of the waste water discharged during 1961-62 received primary treatment, while the remaining 82 percent received secondary treatment. Wastes from Arcata and Eureka, about 28 percent of the total for the region, were discharged to Arcata and Humboldt Bays, respectively. The remaining facilities discharged waste water to inland streams or onto land. An estimated 150 acre-feet of waste water was deliberately reclaimed in the North Coastal Region in 1961-62.

San Francisco Bay Region (No. 2)

In the San Francisco Bay Region, on June 30, 1962, there were 52 waste water discharges which equaled or exceeded one-half million gallons per day. Locations of these discharges are shown on Plate 2. Of the nine water pollution control regions in the State, the San Francisco Bay Region is second in total volume of waste water discharged each year. About one-fourth of the 1.6 million acre-feet of waste water accounted for in this report for 1961-62 was produced in the San Francisco Bay Region. The large volume of waste is due to the fact that the area is largely urbanized. In this region, between 323,730 and 445,170 acre-feet of waste water was discharged each year during the period 1955-62.

At the close of the reporting period (June 30, 1962) approximately 85 percent of the waste water discharged within the region received primary treatment. Another 12 percent received secondary treatment, and 3 percent received no treatment. Of the 445,170 acre-feet of waste water produced in 1961-62, only 6,050 acre-feet, or 1.4 percent, was discharged to land or inland (non-tidal) waters. The remainder was discharged to tide waters of the San Francisco Bay complex. Only 720 acre-feet of waste water was deliberately reclaimed in this region in 1961-62.

Central Coastal Region (No. 3)

In this region, the 19 waste water discharges listed in the appendixes equaled or exceeded one-half million gallons per day by June 30, 1962. Locations of waste disposal facilities are shown on Plate 3. Between 25,270 and 42,290 acre-feet per year of waste water was discharged for the period 1955-62.

As of June 30, 1962, 55 percent of the wastes in the Central Coastal Region received primary treatment, and 45 percent received secondary treatment. Of the 42,290 acre-feet treated in 1961-62, 27,450 acre-feet, or 65 percent, was discharged to the Pacific Ocean, while the remainder was discharged to streams or onto land for irrigation. An estimated 5,180 acre-feet of waste water was deliberately reclaimed in this region in 1961-62.

Los Angeles Region (No. 4)

Fourteen waste water discharges are listed in the appendixes for the Los Angeles Region. With one exception, all facilities discharged at least one-half million gallons per day

as of June 30, 1962. Locations of waste discharges in the Los Angeles Region are shown on Plate 4.

This region, the most heavily urbanized of the nine water pollution control regions in the State, discharges a total volume of waste each year which is considerably greater than that discharged in the other eight regions. In fact, the wastes discharged in this region constitute over one-third of the statewide volume of 1.6 million acre-feet of waste water accounted for in this report for 1961-62. A total of from 501,580 to 649,260 acre-feet of waste water was discharged yearly for the period July 1, 1955-June 30, 1962. Of these totals, 95 percent was about equally divided between the two largest treatment facilities in the State, the City of Los Angeles' Hyperion Plant and the County Sanitation Districts of Los Angeles County's Joint Disposal Plant. Of the 649,260 acre-feet discharged in 1961-62, one-half, or 50 percent, received primary treatment, and one-half received secondary treatment. About 99 percent of the waste water was discharged directly to the Pacific Ocean. Six relatively small installations discharged waste waters to land areas. A total of 6,930 acre-feet of waste water was deliberately reclaimed.

Central Valley Region (No. 5)

During 1961-62, there were 56 facilities in the Central Valley Region which discharged one-half million or more gallons per day of waste water. Their locations are shown on Plate 5. The total quantity of waste discharged from these plants ranged from 197,450 to 258,250 acre-feet per year for the period 1955-62.

About 57 percent of the 258,250 acre-feet of waste water discharged during 1961-62 within this region received primary treatment, and about 43 percent received secondary treatment. Approximately 35 percent of the waste water was discharged to land, primarily for irrigation. Discharges to streams and tidal waters amounted to 47 and 18 percent, respectively.

An estimated 47,000 acre-feet, or over half of the waste water reported as being deliberately reclaimed in the State in 1961-62, was reclaimed in this region. It should be pointed out that reclamation operations for all but 5,300 acre-feet of this total was situated in the southern half of the San Joaquin Valley, and that 20,000 acre-feet was reportedly reclaimed by the City of Fresno.

Lahontan Region (No. 6)

Within the Lahontan Region, 9 of the 10 waste water discharges listed in the appendixes equaled or exceeded one-half million gallons per day by the end of the reporting period. Discharge locations are shown on Plate 6. Much of the area, particularly the southern portion, is desert and sparsely populated. Consequently, the total volume of waste water discharged in this region each year during the period of record is quite small in comparison with the volume discharged in the other water pollution control regions of the State. For 1955-62, the volume discharged ranged from 8,240 to 12,120 acre-feet per year. Of the 12,120 acre-feet discharged during 1961-62, 18 percent received primary treatment, and 82 percent received secondary treatment. All of the waste water in this region was discharged to land. For 1961-62, an estimated 5,430 acre-feet of waste water was reclaimed in the Lahontan Region.

Colorado River Basin Region (No. 7)

Ten waste discharges are shown on Plate 17 for the Colorado River Basin Region. Nine of these facilities discharged at lease one-half million gallons per day by June 30, 1962. As was the case in the Lahontan Region (No. 6), much of this region is composed of sparsely populated desert areas. Consequently, the total quantity of waste water discharged each year in this region is relatively small when compared to the quantity discharged in the other regions of the State. A total ranging from 8,730 to 12,980 acre-feet of waste water was discharged yearly during the period July 1, 1955-June 30, 1962.

Of the 12,980 acre-feet of waste water discharged in 1961-62, approximately 16 percent received primary treatment, and 84 percent received secondary treatment. Fifty-seven percent of the water was discharged to stream channels, while the remainder (43 percent) was discharged to land. In 1961-62, it is estimated that 4,120 acre-feet was subjected to planned reclamation.

Santa Ana Region (No. 8)

Eighteen of the 20 waste water discharges listed in the appendix for the Santa Ana Region equaled or exceeded one-half million gallons per day as of June 30, 1962. Discharge locations for the Santa Ana Region are shown on Plate 8.

The yearly discharge for the period 1955-62 ranged from 56,990 to 128,270 acre-feet per year. About two-thirds of the yearly totals were handled by the two plants operated by the County Sanitation Districts of Orange County, which serve much of the urban area of Orange County.

Of the 128,270 acre-feet discharged in 1961-62, 67 percent received primary treatment, and 33 percent received secondary treatment. About 36 percent of the wastes were discharged onto land or to inland waters, while the remainder (64 percent) was spilled directly into the Pacific Ocean. Some 12,460 acre-feet was estimated as being deliberately reclaimed in this region in 1961-62.

San Diego Region (No. 9)

There are 21 facilities operated by 17 agencies in the San Diego Region. In June 1962 discharges by each of the 17 agencies exceeded one-half million gallons per day. Plate 9 shows the locations of waste discharges in the San Diego Region.

For the period 1955-62, the yearly discharge ranged from 59,590 to 79,170 acre-feet, with about three-fourths of the water coming from the San Diego metropolitan area. Of the 1961-62 quantity of 78,810 acre-feet, 76 percent received primary treatment, 20 percent received secondary treatment, and 4 percent was untreated. About 17 percent of the wastes in the region were discharged to land or to stream channels, while 83 percent were discharged to San Diego Bay or directly to the Pacific Ocean. An estimated 6,110 acre-feet of waste water was deliberately reclaimed in this region during 1961-62.

CHAPTER III. RECLAMATION OF WATER FROM SEWAGE AND INDUSTRIAL WASTES

Waste water may be reclaimed either by natural processes or by special facilities and procedures designed for reclamation. Incidental reclamation occurs when wastes are discharged into streams from which waters are diverted for downstream use, percolate into ground waters, or repel salt water in the tidal reaches. Incidental reclamation also occurs when wastes discharged onto land for disposal percolates to the ground water and is subsequently extracted for use. An example of incidental reclamation is when the percolate from a septic tank with underground leaching lines reaches the ground water.

Planned, deliberate reclamation is accomplished by specific waste treatment and disposal works which are operated in whole or in part to provide an immediate source of water. It is with this type of reclamation that the following paragraphs are concerned. The reuse of water <u>within</u> an industrial installation for the purposes of this report is considered a water conservation measure rather than reclamation of waste water, and consequently has been omitted from this discussion.

The greatest potential for planned, economical reclamation lies in the sewage discharges of municipalities and districts located throughout the State which are already receiving some degree of treatment in order to provide a waste capable of discharge without causing pollution or contamination in a receiving water. In some cases, only slight additional treatment will make these waters suitable for use.

Waters which have been deliberately reclaimed from sewage and industrial wastes have, for many years, been used throughout the world. The bulk of these waters has been used for irrigated agriculture, with a lesser amount going to industrial use. More recently, reclaimed waters have been used for irrigation of golf courses, parks, and freeway planting strips, for creation of recreational lakes and streams, for operation of sanitary systems, and for replenishment of ground waters.

In California, the demand for water has been increasing rapidly due to the ever-increasing requirements of irrigated agriculture, communities, and industries. Consequently, many areas of California are finding that existing developed water supplies are overdrawn, and cheap water supplies from new sources are becoming more and more difficult to obtain. To add to the problem, metropolitan sewerage systems with ultimate disposal in the ocean are being extended into areas which formerly practiced incidental reclamation through individual or community sewage disposal systems which discharged inland. The loss of water which was formerly reclaimed has been accepted as a part of the price of improved sanitation. All of these factors combine so as to make deliberately reclaimed waste water an attractive source of water supply for some uses in many coastal areas, and an essential source in certain areas. In fact, a number of water agencies in metropolitan areas of the State have been actively studying the economic and engineering aspects of installing major facilities for reclamation of sewage and industrial wastes.

Related to California's rapid urban growth are the increasing quantities of sewage and industrial wastes capable of being reclaimed. Although small when compared to the total water requirements of the State, the purposeful and intelligent reclamation of these wastes can well fit into the orderly development of California's water resources.

As noted in the introduction, the purpose of this report is to provide an inventory of major waste discharges within the State, together with sufficient flow and water quality data to permit recognition of and preliminary planning for potential waste reclamation projects. Because of the benefit to be derived from the direct reclamation of waters which would otherwise be discharged into salt water and lost, the department has studied the feasibility of sewage reclamation in several coastal areas of the State (refer to page 2). It is hoped that these reports stimulated the interest of the local agencies and encouraged inquiry into the possibilities of putting to beneficial use water now being wasted to the ocean.

The status of waste water reclamation activities during 1961-62 is summarized in Table 1. Of the 1.6 million acre-feet of waste water discharged during the year by municipal, military, and industrial facilities discussed in Chapter II, about 90,000 acre-feet, or 5.5 percent, was directly reclaimed. Review of the locations, quantities, and qualities of waters used in existing reclamation projects shows that there are no universal water quality criteria which can be used to determine the feasibility of reclamation. In addition, reclamation, in some cases, results in a lower

overall cost of waste disposal than when waste disposal is considered alone. This situation results when the disposal of waste waters without nuisance, pollution, or contamination, requires installation of expensive treatment facilities not needed when reuse of waste waters is considered. The feasibility of waste water reclamation must be determined on an individual basis at specific locations. Not to investigate the possibilities of waste water reclamation, particularly in water-deficient areas, could well mean that a resource of the State, which might be conserved, is being wasted forever.

TABLE 1

WASTE WATER RECLAMATION OPERATIONS, 1961-62

Agency	Total waste discharged, acre-feet	Planned reclamation, acre-feet	Remarks
North Coastal Region (No. 1)			
City of Santa Rosa	5,890	150[a]	Portion of effluent used for irrigation of 150 acres of corn; balance to Santa Rosa Creek.
San Francisco Bay Region (No. 2)			
City of San Francisco McQueen Plant	670	670	Plant operated solely for reclamation. Effluent stored in decorative lakes and used for irrigation in Golden Gate Park.
Las Gallinas Valley Sanitation District	780	50[a]	Portion of effluent used for irrigation of 50 acres of pasture; balance to Miller Creek.
Central Coastal Region (No. 3)			
Carmel Sanitation District	1,790	300[a]	Portion of effluent used to irrigate 200 acres of artichokes; balance to Monterey Bay.
City of San Luis Obispo	2,880	2,880	Effluent used to irrigate pasture.
City of Santa Maria	4,000	2,000[a]	Portion of effluent used to irrigate alfalfa.
Los Angeles Region (No. 4)			
City of Ojai	820	200	Effluent used to irrigate golf course.
Camarillo State Hospital	810	810	Effluent used to irrigate pasture.
City of Los Angeles, Hyperion Plant	311,630	1,100	Effluent used to irrigate lawns.

TABLE 1 (continued)

WASTE WATER RECLAMATION OPERATIONS, 1961-62

Agency	Total waste discharged, acre-feet	Planned reclamation, acre-feet	Remarks
County Sanitation Districts of Los Angeles County			
Azusa Plant	730	730	Plant operated solely for reclamation. Effluent use to recharge ground water i Main San Gabriel Basin.
Lucky Lager Plant	380	380	Plant operated solely for reclamation. Effluent use to recharge ground water i Main San Gabriel Basin.
Pomona Plant	3,710	3,710	Portion of effluent sold for irrigation; balance to San Jose Creek and percolation.
Central Valley Region (No. 5)			
City of Woodland	2,300	375[a]	Portion of effluent used t irrigate 250 acres of suda grass; balance to Yolo Byp
City of Lodi	4,400	1,600[a]	Portion of effluent used to irrigate 500 acres of pasture and milo; balance to White Slough.
City of Manteca	1,290	600	Portion of effluent used to irrigate 200 acres of alfalfa, milo, and pasture balance to Delta Slough.
City of Madera	3,020	2,700[a]	Effluent used to irrigate 210 acres of alfalfa, cotton, and pasture; exces percolated.
City of Fresno	38,000	20,000[a]	Portion of effluent used for irrigation of 1,400 acres of cotton and milo; excess percolated.
City of Sanger	890	270[a]	Portion of effluent used for irrigation.

TABLE 1 (continued)

WASTE WATER RECLAMATION OPERATIONS, 1961-62

Agency	Total waste discharged, acre-feet	Planned reclamation, acre-feet	Remarks
ity of Lemoore	2,580	550[a]	Portion of effluent used for irrigation.
ity of Hanford	2,140	2,000	Effluent used to irrigate 160 acres of alfalfa; excess percolated.
ity of Visalia	3,800	600	Effluent used to irrigate cotton, milo, alfalfa, and walnut trees.
ity of Tulare	1,280	1,280	Effluent used to irrigate 377 acres of field crops; excess percolated.
ity of Lindsay	1,200	550[a]	Portion of effluent used for irrigation.
ity of Porterville	920	600	Portion of effluent used for irrigation of cotton; balance percolated.
ity of Delano	1,500	1,000	Portion of effluent used for irrigation; balance percolated.
orth of River Sanitary District	2,350	1,800	Effluent used to irrigate about 160 acres of cotton; excess percolated.
ity of Bakersfield	9,600	9,600	Effluent used to irrigate approximately 2,500 acres of cotton, feed corn, sugar beets, and permanent pasture.
ount Vernon Sanitary District	3,450	3,450	Effluent used to irrigate 1,080 acres.
ity of Taft	630	630	Effluent used to irrigate about 80 acres of alfalfa.

TABLE 1 (continued)

WASTE WATER RECLAMATION OPERATIONS, 1961-62

Agency	Total waste discharged, acre-feet	Planned reclamation, acre-feet	Remarks
Lahontan Region (No. 6)			
City of Bishop	1,130	1,130	Effluent used to irrigate alfalfa.
USN Ordnance Test Station, China Lake	1,510	1,510	Portion of effluent used to irrigate golf course; excess to percolation beds.
County Sanitation Districts of Los Angeles County, Palmdale Plant	740	740	Effluent used for irrigation of alfalfa.
Victorville Sanitary District	1,110	1,110	Effluent used for ground water recharge.
City of Barstow	1,400	500[a]	Effluent used to irrigate permanent pasture.
Susanville Consolidated Sanitary District	490	180[a]	Portion of effluent used to irrigate field crops; excess to Susan River.
U. S. Marine Corps Supply Center, Nebo Plant	610	250[a]	Portion of effluent used to irrigate golf course.
Colorado River Basin Region (No. 7)			
Indio Sanitary District	2,020	2,020[a]	Effluent used to irrigate cotton and cut flowers.
USMC Training Center, Twentynine Palms	1,340	1,100[a]	Portion of effluent used to irrigate golf course.
City of Banning	800	400[a]	Portion of effluent used for irrigation of alfalfa
Coachella Sanitary District	600	600	Effluent used to irrigate cotton and cut flowers.

TABLE 1 (continued)

WASTE WATER RECLAMATION OPERATIONS, 1961-62

Agency	Total waste Discharged, acre-feet	Planned reclamation, acre-feet	Remarks
nta Ana Region (No. 8)			
unty Sanitation Districts of Orange County, Plant No. 1	30,610	740	Talbert Water District formed primarily to reclaim waste water from sanitation districts plant. Portion of effluent used for irrigation; balance to ocean.
ty of Chino, Plant No. 1	190	190	Effluent used to irrigate pasture and field crops.
iser Steel Corporation, ontana	750	750	Effluent introduced into cooling system.
rch Air Force Base	710	710	Effluent used for irrigation.
ty of Corona	1,110	800[a]	Portion of effluent used for irrigation.
ty of Riverside, Plant No. 1	9,710	4,500[a]	Portion of effluent used for irrigation of permanent pasture; balance to Santa Ana River.
ty of Riverside, Plant No. 2	2,280	1,000[a]	Effluent used for irrigation of alfalfa.
ties of Ontario and Upland	6,740	1,600	Portion of effluent used for irrigation; balance to percolation into ground water of Chino Basin.
ty of Colton	1,720	1,720	Effluent used for irrigation; balance to Santa Ana River.
MC Air Station, El Toro	910	450[a]	Portion of effluent used to irrigate golf course.
n Diego Region (No. 9)			
ty of San Clemente	810	500[a]	Portion of effluent used for irrigation of golf course; balance to ocean.

TABLE 1 (continued)

WASTE WATER RECLAMATION OPERATIONS, 1961-62

Agency	Total waste discharged, acre-feet	Planned reclamation, acre-feet	Remarks
Camp Joseph H. Pendleton (USMC)	750	750	Effluent used to supply recreation lake.
Camp Joseph H. Pendleton, Plant No. 2	740	600[a]	Portion of effluent used to irrigate golf course.
Santee County Water District	950	950	Effluent used to supply recreation lake; overflow used to irrigate golf course.
City of Oceanside	2,700	2,700	Effluent used for ground water recharge.
City of El Cajon	2,430	560	Portion of effluent used for irrigation of golf course.
City of Escondido	800	50[a]	Portion of effluent used for irrigation.

(a) Estimated.

APPENDIX A

WASTE WATER TREATMENT FACILITIES

APPENDIX A

WASTE WATER TREATMENT FACILITIES

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TABLE A-1

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

NORTH COASTAL REGION (NO. 1)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
1	City of Arcata	Domestic and industrial	Grinding, grit removal, preaeration, primary settling, oxidation pond; sludge digestion and drying.	Arcata Bay	
2	City of Eureka (Murray Street Plant)	Domestic	Screening, grit removal, prechlorination, primary settling, postchlorination; sludge digestion and drying.	Humboldt Bay	
3	City of Willits	Domestic and industrial	Grinding, primary settling, trickling filter, oxidation ponds; sludge digestion and drying.	Broadus Creek	
4	City of Ukiah	Domestic	Screening, prechlorination, primary settling, trickling filter, secondary settling, oxidation pond; sludge digestion and drying.	Russian River	
5	Mendocino State Hospital	Domestic	Primary settling, trickling filter, secondary settling; sludge digestion and drying.	Irrigation and Percolation ditch.	
6	City of Santa Rosa	Domestic and industrial	Screening, preaeration, primary settling, trickling filter, secondary settling, oxidation pond; sludge digestion and drying.	Santa Rosa Creek - winter; Santa Rosa Creek and irrigation summer	

TABLE A-2

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
1	Sausalito - Marin City Sanitary District	Domestic	Screening, primary settling, chlorination; sludge digestion and discharge to bay.	San Francisco Bay	
2	City of Mill Valley	Domestic	Screening, grit removal, primary settling, two-stage trickling filter, final settling; sludge digestion and drying.	Richardson Bay	
3	Marin County Sanitary Districts Nos. 1 and 2	Domestic	Screening, primary settling, trickling filter, final settling; sludge digestion and drying.	Corte Madera Creek to San Francisco Bay	
4	San Rafael Sanitation District	Domestic	Screening, primary settling; sludge digestion and drying.	San Francisco Bay	
5	Las Gallinas Valley Sanitary District	Domestic and Industrial	Screening, grit chamber, primary settling, trickling filter, secondary settling, sludge digestion and drying.	Miller Creek	Some effluent used to irrigate pasture land.
6	Marin County Sanitary District No. 6	Domestic	Screening, primary settling, primary (spiral vortex) mixing, step aeration, secondary (spiral vortex) mixing, secondary settling, sludge digestion and drying.	Novato Creek	
7	City of Petaluma	Domestic	Screening, primary settling, two-stage trickling filter, final settling, chlorination; sludge digestion and drying.	Petaluma River	
8	Napa County Sanitation District	Domestic and industrial	Screening, vacuum flotation, primary settling, two-stage trickling filter, chlorination; sludge digestion and drying.	Napa River	
9	Sonoma Valley Sanitation District	Domestic and industrial	Screening, grit chamber, aeration, primary settling, primary trickling filter, secondary settling, chlorination, sludge digestion and sludge drying.	Schell Slough	
10	Travis Air Force Base	Domestic	Screening, grit chamber, primary settling, oxidation ponds, primary and secondary sludge digestion and sludge drying.	Union Creek	
11	Cities of Fairfield and Suisun	Domestic	Screening, primary settling, chlorination; sludge digestion and drying.	Suisun Slough	
12	Mare Island Naval Shipyard	Domestic and industrial	Screening, grit chamber preaeration, primary settling, primary and secondary sludge digestion and sludge drying.	Mare Island Straits	
13	Vallejo Flood Control and Sanitation District	Domestic and industrial	Screening, prechlorination, preaeration, primary settling; sludge digestion and drying.	Mare Island Straits	
14	City of Benicia	Domestic	Prechlorination, screening, preaeration, primary settling, chlorination; sludge digestion and drying.	Carquinez Straits	
15	Ethyl Corporation	Industrial	None.	New York Slough	
16	Dow Chemical Company	Industrial	Clarification.	New York Slough	
17	United States Steel Company, Columbia-Geneva Division	Industrial		New York Slough	
	Cooling water		None.		
	Oil wastes		Clarification.		
	Mill scale wastes		None.		

TABLE A-2 (continued)

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
18	Johns - Manville Corporation	Industrial	Screening.	New York Slough	
19	City of Pittsburg	Domestic	Screening, grit removal, preaeration, primary settling; sludge digestion and compositing.	New York Slough	
20	Shell Chemical Company	Industrial	Clarification.	Suisun Bay	
21	City of Concord	Domestic	Prechlorination, screening, grit removal preaeration, primary settling, oxidation ponds; sludge digestion and drying.	Walnut Creek	
22	Central Contra Costa Sanitary District	Domestic	Prechlorination, screening, grit removal, preaeration, primary settling; sludge digestion and drying.	Suisun Bay	
23	City of Martinez	Domestic	Prechlorination, screening, primary settling; sludge digestion and drying.	Suisun Bay	
24	C & H Sugar Refinery	Industrial	None.	Carquinez Straits	Char wastes.
25	American Smelting and Refining	Domestic and industrial	Septic tank.	Carquinez Straits	Waste is two-thirds sea water.
26	San Pablo Sanitary District	Domestic and industrial	Grit removal, primary settling; sludge digestion and drying.	San Pablo Bay	
27	City of Richmond	Domestic and industrial	Screening, chlorination, comminution, grit removal, preaeration, primary settling; primary and secondary sludge digestion, elutriation, vacuum filtration.	San Francisco Bay	
28	Stege Sanitary District	Domestic	Screening, grit removal, primary settling; sludge digestion and drying.	San Francisco Bay	
29	East Bay Municipal Utility District	Domestic and industrial	Prechlorination, screening, grit removal, primary settling; sludge digestion and disposal to bay.	San Francisco Bay	
30	City of San Leandro	Domestic	Screening, prechlorination, grit removal, primary settling, trickling filter, final settling, chlorination; sludge digestion and drying.	San Francisco Bay	
		Industrial	Screening, prechlorination, preaeration, primary settling; sludge digestion and drying.	San Francisco Bay	
31	Oro Loma Sanitary District	Domestic and industrial	Screening, grit removal, preaeration, primary settling; sludge digestion and drying.	San Francisco Bay	
32	City of Hayward	Domestic and industrial	Screening, vacuum flotation, primary settling, trickling filter, secondary settling, oxidation pond; sludge digestion and drying.	San Francisco Bay	
33	Union Sanitary District, Newark Plant	Domestic and industrial	Screening, primary settling; sludge digestion and drying	Newark Slough to San Francisco Bay	
34	Union Sanitary District Irvington Plant	Domestic and industrial	Chlorination, comminution, grit removal, primary settling, trickling filter, secondary settling; primary and secondary sludge digestion and sludge drying.	Mud Slough to San Francisco Bay	
35	Milpitas Sanitary District	Domestic and industrial	Screening, grit removal, primary aeration, primary settling, primary trickling filter, secondary aeration, secondary settling, sludge digestion and drying.	Coyote Creek	
36	City of San Jose	Domestic and industrial	Prechlorination, screening, grit removal, preaeration, primary settling; sludge digestion and drying.	Coyote Creek to San Francisco Bay	

TABLE A-2 (continued)

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
37	City of Sunnyvale	Domestic	Screening, preaeration, primary settling, chlorination; sludge digestion and drying.	Sunnyvale Slough to San Francisco Bay	
38	City of Mountain View	Domestic and industrial	Screening, primary settling, final settling; sludge digestion and drying.	Mountain View Slough to San Francisco Bay	
39	City of Palo Alto	Domestic and industrial	Screening, grit removal, preaeration, vacuum flotation, primary settling, trickling filter, final settling; sludge digestion and drying.	San Francisco Bay	
40	Menlo Park Sanitary District	Domestic and industrial	Screening, grit removal, preaeration, primary settling; sludge digestion and drying.	West Point Slough to San Francisco Bay	
41	Redwood City	Domestic and industrial	Screening, grit removal, preaeration, primary settling, trickling filter. final settling, chlorination; sludge digestion and drying.	Redwood Creek to San Francisco Bay	
42	City of San Carlos-Belmont	Domestic and industrial	Screening, primary settling; sludge digestion and drying.	Steinberger Slough to San Francisco Bay	
43	City of San Mateo	Domestic and industrial	Screening, prechlorination, grit removal, primary settling; sludge digestion and drying.	San Francisco Bay	Small trickling filter for reclamation of water for use around treatment plant.
44	City of Burlingame	Domestic and industrial	Screening, primary settling, chlorination; sludge digestion and drying.	San Francisco Bay	
45	City of Millbrae	Domestic and industrial	Screening, primary settling, chlorination; sludge digestion and drying.	San Francisco Bay	
46	Cities of South San Francisco and San Bruno	Domestic and industrial	Screening, grit removal, preaeration, primary settling; sludge digestion and drying.	San Francisco Bay	
	City and County of San Francisco				
47	Southeast Plant	Domestic and industrial	Prechlorination, screening, grit removal, preaeration, primary settling, chlorination; sludge digestion and drying.	Islais Creek to San Francisco Bay	
48	North Point Plant	Domestic and industrial	Prechlorination, screening, grit removal, preaeration, primary settling, chlorination.	San Francisco Bay	Sludge pumped to Southeast Plant for treatment and disposal.
49	McQueen Plant	Domestic	Screening, grit removal, primary settling, aeration , (activated sludge), final settling, chlorination.	Golden Gate Park	Plant operated solely for water reclamation. Sludge pumped to Southeast Plant for treatment and disposal.
50	Richmond-Sunset Plant	Domestic	Screening, grit removal, preaeration, primary settling, chlorination; sludge digestion and drying.	Pacific Ocean	
51	North San Mateo County Sanitary District	Domestic	Screening, primary settling, chlorination; sludge digestion and drying.	Pacific Ocean	
52	City of Livermore	Domestic	Screening, grit removal, primary settling, trickling filter, secondary settling, oxidation ponds; sludge digestion and drying.	Land	

TABLE A-3

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

CENTRAL COASTAL REGION (NO. 3)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
1	City of Santa Cruz	Domestic and industrial	Screening, preaeration, vacuum flotation, chlorination; sludge digestion and ocean discharge.	Monterey Bay	
2	City of Watsonville	Domestic and industrial	Screening, preaeration, settling; primary and secondary sludge digestion and drying.	Monterey Bay	
3	Fort Ord (Main Garrison)	Domestic	Screening, primary settling; sludge digestion and drying.	Montsrey Bay	
4	Seaside County Sanitation District	Domestic	Screening, primary settling, chlorination; sludge digestion and drying.	Monterey Bay	Reclamation of small amount of water for use around sewage treatment plant.
5	City of Monterey	Domestic	Prechlorination, screening, primary settling, chlorination; sludge digestion and drying.	Monterey Bay	Small trickling filter for reclamation of water for use around sewage treatment plant.
6	City of Pacific Grove	Domestic	Screening, primary settling, chlorination; sludge digestion and drying.	Monterey Bay	
7	Carmel Sanitary District	Domestic	Screening, grit removal, prechlorination, primary settling, sand filtration, chlorination; sludge digestion and drying.	Irrigation and Pacific Ocean	
8	City of Salinas	Domestic and industrial	Prechlorination, screening, primary settling, two-stage trickling filter, chlorination; sludge digestion and drying.	Salinas River	
9	Alisal Sanitary District	Domestic	Screening, preaeration, grit removal, primary settling, two-stage trickling filter, final settling, chlorination; sludge digestion and drying.	Salinas River	
10	Soledad State Prison	Domestic and industrial	Screening, primary settling, trickling filter, final settling; sludge digestion and drying.	Irrigation and Salinas River	
11	City of Paso Robles	Domestic	Screening, preaeration, primary settling, trickling filter, final settling; sludge digestion and drying.	Salinas River	
12	Morro Bay - Cayucos Sanitary District	Domestic and industrial	Screening, primary settling, trickling filter, final settling, chlorination; sludge digestion and drying.	Pacific Ocean	
13	City of San Luis Obispo	Domestic and industrial	Screening, primary settling, two-stage trickling filter, chlorination; sludge digestion and drying.	Irrigation	
14	Vandenberg Air Force Base	Domestic and industrial	Screening, primary settling, two-stage trickling filter; sludge digestion and drying.	Pacific Ocean	
15	City of Santa Maria	Domestic and industrial	Screening, primary settling, trickling filter, final settling; sludge digestion and drying.	Land	
16	City of Lompoc	Domestic	Screening, primary settling, two-stage trickling filter, final settling, chlorination; sludge digestion and drying.	Santa Ynez River	Reclamation of small amount for use around sewage treatment plant.
17	Goleta Sanitary District	Domestic	Screening, aeration, trickling filter, oxidation pond, chlorination; sludge digestion and drying.	San Pedro Creek to Pacific Ocean	

TABLE A-3 (continued)

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

CENTRAL COASTAL REGION (NO. 3)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
18	City of Santa Barbara	Domestic and industrial	Screening, aeration, primary settling, chlorination; sludge digestion and drying.	Pacific Ocean	
19	Carpinteria Sanitary District	Domestic	Screening, prechlorination, primary settling, two-stage trickling filter, final settling, chlorination; sludge digestion and drying.	Pacific Ocean	

TABLE A-4

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

LOS ANGELES REGION (NO. 4)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
1	City of Ojai	Domestic and industrial	Screening, primary settling, two-stage trickling filter, final settling, chlorination; sludge digestion and drying.	Land, Stewart Creek	Irrigation of golf course
2	City of Santa Paula	Domestic and industrial	Comminution, primary settling, trickling filter secondary settling, final settling, chlorination; sludge digestion and drying.	Irrigation and Santa Clara River	
3	City of Ventura Seaside Plant	Domestic and industrial	Comminution, primary settling; sludge digestion and drying.	Pacific Ocean	
4	City of Ventura Eastside Plant	Domestic	Comminution, grit removal, primary settling, trickling filter, final settling, chlorination; sludge thickening and digestion.	Pacific Ocean	
5	City of Oxnard	Domestic	Screening, primary settling, aeration, final settling, chlorination; sludge digestion and drying.	Pacific Ocean	
6	Port Hueneme Sanitary District	Domestic and industrial	Screening, primary settling; sludge digestion and drying.	Pacific Ocean	
7	U. S. Naval Construction Battalion Center Port Hueneme	Domestic	Screening, primary settling, chlorination; sludge digestion and drying.	Pacific Ocean	
8	Camarillo Sanitary District	Domestic	Comminution, prechlorination, primary settling, trickling filter, final settling, chlorination; sludge digestion and drying.	Land, irrigation and recharge	
9	City of Los Angeles Hyperion Plant	Domestic and industrial	Screening, grit removal, preaeration, primary settling, aeration, (high-rate activated sludge), final settling, chlorination; sludge digestion and ocean disposal.	Santa Monica Bay	About 1 mgd final effluent used for irrigation and process water around plant
10	City of Los Angeles Terminal Island Plant	Domestic and industrial	Screening, primary settling; sludge digestion and drying.	Los Angeles Outer Harbor	
11	County Sanitation Districts of Los Angeles County Joint Disposal Plant	Domestic and industrial	Screening, primary settling; sludge digestion and ocean disposal	Pacific Ocean	
12	County Sanitation Districts of Los Angeles County Lucky Lager Plant	Industrial	Screening, primary settling, trickling filter, final settling, chlorination.	Land for ground water recharge	Plant operated solely for reclamation. Sludge returned to sewer for treatment at Joint Disposal Plant.
13	County Sanitation Districts of Los Angeles County Azusa Plant	Domestic	Screening, primary settling, trickling filter, final settling, chlorination.	Land for ground water recharge	Plant operated solely for reclamation. Sludge returned to sewer for treatment at Joint Disposal Plant.
14	County Sanitation Districts of Los Angeles County Pomona Plant	Domestic and industrial	Screening, primary settling, aeration (activated sludge), final settling, chlorination.	Land for irrigation and percolation	Sludge returned to sewer for treatment at Joint Disposal Plant.

TABLE A-5

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
1	City of Redding	Domestic	Grinding; grit removal: preaeration; primary settling; chlorination: holding pond; sludge digestion and drying.	Sacramento River	
2	City of Red Bluff	Domestic and industrial	Grinding; grit removal: primary settling; sludge digestion and drying.	Sacramento River	
3	City of Chico	Domestic	Screening; shredding; primary settling, oxidation ponds; sludge digestion and drying.	Percolation and evaporation	
4	City of Oroville	Domestic	Screening. comminution; prechlorination, primary settling: sludge digestion (primary and secondary) and drying; percolation ponds.	Land	
5	City of Gridley	Domestic and industrial	Preaeration; primary settling: sludge digestion and drying, oxidation ponds	Land	
6	Yuba City	Domestic and industrial	Screening; comminution, preaeration; vacuum flotation, primary settling; chlorination; sludge digestion and drying: percolation ponds	Feather River - winter Land - summer	
7	City of Marysville	Domestic and industrial	Screening; grit removal; preaeration; primary settling; sludge digestion and drying (primary and secondary) percolation ponds	Land	
8	City of Grass Valley	Domestic	Screening, comminution; primary settling; trickling filter: final settling; chlorination; sludge digestion and drying	Wolf Creek	
9	City of Auburn	Domestic	Screening; primary and secondary settling; two-stage trickling filter; chlorination and post-aeration; sludge digestion and drying.	Auburn Ravine	
10	City of Roseville	Domestic	Screening, grit removal; prechlorination; primary settling; trickling filter; final settling; chlorination; sludge digestion and drying	Dry Creek	
11	City of Placerville	Domestic	Bar screen; comminutor: grit chamber; primary settling; bio-filtration; secondary settling; primary and secondary sludge digestion; chlorination of effluent	Weber Creek	
12	Sacramento County Sanitation District No. 6	Domestic	Prechlorination; grit removal; comminution, primary settling; two-stage trickling filter; sludge digestion and thickening and drying; post chlorination	Magpie Creek	
13	McClellan Air Force Base	Domestic	Screening; grit removal;comminution; primary settling; two-stage trickling filter; final settling; post-chlorination; aludge digestion and drying	Magpie Creek	
14	City of Woodland	Domestic and industrial	Screening; comminution; grit chamber; preaeration; sludge digestion and drying: raw sewage lagoons and percolation ponds	Land to irrigation or percolation	
15	City of Davis	Domestic and industrial	Screens; preaeration; primary settling; oxidation ponds; sludge digestion and drying	Willow Slough	
16	West Sacramento Sanitary District	Domestic and industrial	Screening,pre-chlorination; grit removal; comminution; primary settling; chlorination; sludge digestion and drying	Sacramento River	

TABLE A-5 (continued)

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
17	City of Sacramento	Domestic and industrial	Screening, pre-chlorination; grit removal; preaeration; primary settling, chlorination: primary and secondary sludge digestion;and vacuum drying	Sacramento River	
18	Parkway Estates	Domestic	Screens; comminutor: primary settling; spiro-vortex and standard bio-filters: sludge digestion; sludge beds; chlorination of effluent	Morrison Creek	
19	Sacramento County Sanitation District No. 5	Domestic	Pre-chlorination; comminution; primary and secondary settling: primary and secondary filtration: sludge drying bed chlorination	American River	
20	Rancho Cordova Sewer Maintenance District	Domestic	Barminutor: primary and secondary settling; bio-filters primary and secondary sludge digestion: oxidation ponds; sludge drying beds.	American River	
21	Mather Air Force Base	Domestic and industrial	Screening; comminution; primary settling; trickling filter; final settling chlorination; sludge digestion and drying	Morrison Creek	
22	City of Vacaville-Brown Street Plant	Domestic and industrial	Bar screen; grit chamber: aeration; primary settling; aeration; secondary settling; sludge digestion; oxidation ponds.	Ulatis Creek	
23	City of Vacaville - Easterly Plant	Domestic	Pre-aeration; primary settling; post-aeration; oxidation ponds; sludge digestion; and drying	Alamo Creek	
24	Fibreboard Products, Antioch Division	Domestic and industrial	None; transferred to Antioch Sewage Treatment Plant	San Joaquin River	
25	City of Antioch	Domestic	Screening; detritor; preaeration; primary settling; chlorination; sludge digestion and drying	San Joaquin River	
26	Crown-Zellerbach Corporation	Industrial	Prechlorination; chemical precipitation	San Joaquin River	
27	Fibreboard Products, San Joaquin Division	Industrial	Septic tank - primary settling and digestion	San Joaquin River	
28	E. I. DuPont Company	Industrial	Septic tank - primary settling; digestion; effluent to detention ponds	San Joaquin River	
29	City of Lodi	Domestic and industrial	Screening; grit removal; comminution; primary settling, aeration; activated sludge: final settling; sludge digestion and drying; percolation ponds	White Slough, portion to irrigation	
30	North Utility District (Lincoln Village)	Domestic	Screening; pre-chlorination; primary settling; oxidation ponds; sludge digestion and drying	Fourteen Mile Slough	
31	City of Stockton North Plant	Domestic	Screening; grit removal; primary settling	San Joaquin River	
32	City of Stockton South Plant	Domestic and industrial	Screening; grit removal; comminution: primary settling; trickling filter; final settling; sludge digestion and drying	San Joaquin River	
33	City of Tracy				
	Domestic	Domestic	Screening; pre-chlorination; comminution; Imhoff tank; aeration; secondary settling; trickling filter; sludge digestion and drying	Sugar Cut Slough	

TABLE A-5 (continued)

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

SAN JOAQUIN VALLEY REGION (NO. 5)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
33 (continued)					
	City of Tracy				
	Industrial	Industrial	Settling (Primary); oxidation ponds; sludge digestion and drying.	Sugar Cut Slough	
34	City of Mantece	Domestic and industrial	Screening, primary settling, trickling filter, secondary settling, oxidation ponds; sludge digestion and drying.	Land for irrigation or percolation	
35	City of Modesto	Domestic and industrial	Screening, grit removal, primary settling, vacuum flotation, two-stage trickling filters, secondary settling, aeration, oxidation ponds, chlorination; sludge digestion and drying.	Tuolumne River	
36	City of Turlock				
	Domestic	Domestic	Screening, primary settling, two-stage trickling filters, final settling, chlorination; sludge digestion and drying.	Land for irrigation	
	Industrial	Industrial	Screening, prechlorination, preaeration, vacuum flotation, aeration, final settling.	Turlock Irrigation District drain	Sludge treated with that from domestic westee.
37	Castle Air Force Base	Domestic	Grit removal, primary settling, trickling filter, final settling, chlorination; sludge digestion and drying.	Canal Creek	
38	City of Atwater	Domestic and industrial	Screening, primary settling; trickling filter, secondary settling, chlorination, oxidation ponds; sludge digestion and drying.	Land for irrigation	
39	City of Merced	Domestic and industrial	Screening, grit removal, Imhoff tank, aeration, oxidation ponds; sludge drying.	Land for irrigation and percolation	
40	City of Madera	Domestic and industrial	Screening, grit removal, primary settling, trickling filter, final settling; sludge digestion and drying.	Land for irrigation and percolation	
41	City of Clovis	Domestic and industrial	Screening, primary settling, clorination; sludge digestion and drying.	Land for percolation	
42	City of Fresno	Domestic and industrial	Screening, grit removal, primary settling, clorination; sludge digestion and drying.	Land for irrigation and percolation	
43	City of Sanger	Domestic	Screening, grit removal, primary settling; sludge digestion and drying.	Land for irrigation and percolation	
44	City of Lemoore	Domestic and industrial	Screening, primary settling, oxidation ponds; sludge digestion and drying.	Land for irrigation	
45	City of Hanford	Domestic and industrial	Aeration screening, primary settling, trickling filter, oxidation ponds; sludge digestion and drying.	Land for irrigation and percolation	
46	City of Visalia	Domestic and industrial	Preaeration, primary settling, trickling filter; sludge digestion and drying.	Land for irrigation	

TABLE A-5 (continued)

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
47	City of Corcoran	Domestic and industrial	Screening, primary settling; sludge digestion and drying.	Land for irrigation	
48	City of Tulare				
	Domestic	Domestic	Screening, primary settling, trickling filter, oxidation pond; sludge digestion and drying.	Land for irrigation	
	Industrial	Industrial	Lagoons.	Land	
49	City of Lindsay	Domestic and industrial	Grit removal, primary settling, sludge digestion and drying.	Land for irrigation	
50	City of Porterville	Domestic and industrial	Screening, settling, oxidation ponds.	Land for irrigation and percolation	
51	City of Delano	Domestic	Primary settling, oxidation ponds; sludge digestion and drying.	Land for irrigation and percolation	
52	North-of-River Sanitary District	Domestic	Screening, primary settling, trickling filter, final settling, oxidation ponds; sludge digestion and drying	Land for irrigation	
53	City of Bakersfield				
	Plant No. 1	Domestic and industrial	Screening, grit removal, aeration-primary settling; sludge digestion and drying.	Land for irrigation	
54	City of Bakersfield				
	Plant No. 2	Domestic and industrial	Screening, primary settling; sludge digestion and drying.	Land for irrigation	
55	Mt. Vernon County Sanitation District	Domestic and industrial	Screening, primary settling, trickling filter, final settling, sludge digestion and drying.	Land for irrigation	
56	City of Taft	Domestic	Screening, primary settling, trickling filter, chlorination; sludge digestion and drying.	Land for irrigation	

TABLE A-6

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

LAHONTAN REGION (NO. 6)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
1	Susanville Consolidated Sanitary District	Domestic	Grinding, grit removal, primary settling, oxidation ponds; sludge digestion and drying.	Irrigation in summer Susan River in winter	
	South Tahoe Public Utilities District	Domestic	Barminution; detritor; pre-aeration, primary clarification; activated sludge; secondary settling; sludge digestion; drying; and holding ponds.	Land for percolation or evaporation.	
3	City of Bishop	Domestic	Screening, primary settling; sludge digestion and drying.	Land for irrigation.	
4	U. S. Naval Ordnance Test Station China Lake	Domestic	Screening, prechlorination, grit removal, primary settling, aeration, secondary settling, oxidation ponds, chlorination; sludge digestion and drying.	Land for irrigation and percolation or evaporation.	
5	Edwards Air Force Base	Domestic	Prechlorination, comminution, primary settling, oxidation pond; sludge digestion and drying.	Land	
6	County Sanitation Districts of Los Angeles County Lancaster Plant	Domestic	Comminution, primary settling, oxidation ponds; sludge digestion and drying.	Land	
7	County Sanitation Districts of Los Angeles County Palmdale Plant	Domestic	Screening, primary settling, oxidation ponds; sludge digestion and drying.	Land for irrigation.	
8	Victorville Sanitary District	Domestic	Raw sewage lagoons.	Land for ground water recharge.	
9	City of Barstow	Domestic	Screening, primary settling, trickling filter, oxidation pond; sludge digestion and drying.	Land for irrigation and percolation.	
10	U. S. Marine Corps Supply Center Nebo Plant	Domestic	Imhoff tank, oxidation ponds.	Land for irrigation and percolation or evaporation.	

TABLE A-7

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

COLORADO RIVER BASIN REGION (NO. 7)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
1	City of Banning	Domestic	Screening, primary settling, oxidation pond; sludge digestion and drying.	Land for irrigation and percolation or evaporation.	
2	Coachella Sanitary District	Domestic and industrial	Screening, primary settling, oxidation pond; sludge digestion and drying.	Land for irrigation.	
3	Indio Sanitary District	Domestic	Screening, primary settling, trickling filter, oxidation pond; sludge digestion and drying.	Land for irrigation and Whitewater River.	
4	City of Palm Springs	Domestic	Screening, grit removal, primary settling, trickling filter, final settling, oxidation pond, chlorination; sludge digestion and drying.	Tahquitz Creek.	
5	U. S. Marine Corps Training Center Twentynine Palms	Domestic	Screening, prechlorination, primary settling, oxidation pond; sludge digestion and drying.	Land for irrigation and percolation or evaporation	
6	City of Brawley	Domestic	Screening, grit removal, primary settling; sludge digestion and drying.	New River	Plant started operation in April 1962.
7	City of El Centro	Domestic	Comminution, primary settling, oxidation pond; sludge digestion and drying.	Alamo River	
8	City of Holtville	Domestic	Primary settling, trickling filter, chlorination; Sludge digestion and drying.	Alamo River	
9	City of Needles	Domestic	Screening, primary settling, oxidation pond; sludge digestion and drying.	Colorado River	
10	City of Blythe	Domestic	Screening, primary settling, oxidation pond; sludge digestion.	Land	

TABLE A-8
WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

SANTA ANA REGION (NO. 8)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
1	City of Chino Plant No. 1.	Domestic and industrial	Comminution, primary settling, trickling filter; sludge digestion and drying.	Land for irrigation	
2	City of Chino Plant No. 2	Domestic	Comminution, primary settling, oxidation pond, chlorination; sludge digestion and drying.	Land	
3	City of Colton	Domestic	Screening, primary settling, aeration (activated sludge), final settling, chlorination; sludge digestion and drying.	Land for irrigation and percolation	
4	City of Corona	Domestic	Screening, primary settling, trickling filter, final settling, oxidation pond; sludge digestion and drying	Land for irrigation and percolation	
5	U. S. Marine Corps. Air Station El Toro	Domestic	Comminution, primary settling, trickling filter, final settling, chlorination; sludge digestion and drying.	Land for irrigation	
6	City of Fontana	Domestic	Screening, preaeration, primary settling, chlorination, oxidation pond; sludge digestion and drying.	Land for percolation and evaporation	
7	Kaiser Steel Corpoation Fontana	Domestic	Comminution, primary settling, trickling filter, final settling, chlorination; sludge digestion and drying.	Industrial use	
8	March Air Force Base Main Plant	Domestic and industrial	Screening, primary settling, trickling filter, final settling, chlorination; sludge digestion and drying.	Land for irrigation	
9	March Air Force Base West Plant	Domestic	Comminution, grit removal, primary settling, trickling filter, final settling, chlorination; sludge digestion and drying.	Land for irrigation	
10	County Sanitation Districts of Orange County Plant No. 1.	Domestic and industrial	Screening, grit removal, primary settling, sludge digestion and drying.	Pacific Ocean	Limited quantities sold to Talbert Water District for irrigation.
11	County Sanitation Districts of Orange County Plant No. 2	Domestic and industrial	Screening, grit removal, primary settling, trickling filter, chlorination; sludge digestion and drying.	Pacific Ocean	
12	Cities of Ontario - Upland	Domestic and industrial	Screening, preseration, primary settling, trickling filter, chlorination, oxidation pond; sludge digestion and drying.	Land for irrigation and percolation	
13	City of Redlands	Domestic and industrial	Screening, primary settling, sewage lagoon; sludge digestion and drying.	Land	
14	City of Rialto	Domestic	Screening, primary settling, aeration (activated sludge), final settling, chlorination; sludge digestion and drying.	Land	
15	City of Riverside Plant No. 1	Domestic and industrial	Screening, grit removal, primary settling, trickling filter, final settling, chlorination, oxidation pond; sludge digestion and drying.	Land for irrigation and percolation	
16	City of Riverside Plant No. 2	Domestic and industrial	Screening, grit removal, primary settling, trickling filter, final settling; sludge digestion and drying.	Land for irrigation	Formerly Arlington Utility Co.

TABLE A-8 (continued)

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

SANTA ANA REGION (NO. 8)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
17	City of San Bernardino Plant No. 1.	Domestic and industrial	Screening, preseration, primary settling, trickling filter, final settling, chlorination, sludge digestion and drying.	Warm Creek	
1	City of San Bernardino Plant No. 2	Domestic and industrial	Screening, primary settling, aeration (activated sludge), final settling; sludge digestion and drying.	Land and Santa Ana River	
19	City of Seal Beach	Domestic	Screening, preaeration, primary settling, trickling filter, final settling, chlorination; sludge digestion and drying.	San Gabriel River	
20	Talbert Water District	Domestic and industrial	Chlorination	Irrigation	Receives waste water from County Sanitation Districts of Orange County, Plant No. 1.

TABLE A-9

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

SAN DIEGO REGION (NO. 9)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
1	City of Laguna Beach	Domestic	Screening, prechlorination, primary settling, chlorination; sludge digestion and drying.	Pacific Ocean	
2	City of San Clemente	Domestic	Primary settling, aeration (activated sludge), secondary clarifier, trickling filter, final settling, chlorination; sludge digestion and drying.	Pacific Ocean; portion to land for irrigation	
3	Camp Joseph H. Pendleton Plant No. 1	Domestic	Screening, primary settling, two-stage trickling filter, oxidation pond; sludge digestion and drying.	Land for recreation and recreation	
4	Camp Joseph H. Pendleton Plant No. 2	Domestic	Screening, primary settling, trickling filter, oxidation pond; sludge digestion and drying.	Land for irrigation	
5	Camp Joseph H. Pendleton Plant No. 3	Domestic	Screening, primary settling, two-stage trickling filter, oxidation pond; sludge digestion and drying.	Land	
6	City of Oceanside	Domestic	Screening, prechlorination, primary settling, oxidation pond; sludge digestion and drying.	Land for irrigation and percolation	
7	City of Carlsbad	Domestic	Prechlorination, primary settling, trickling filter, final settling; sludge digestion and drying.	Bird Sanctuary	
8	Vista Sanitation District	Domestic	Section 1 - screening, primary settling, trickling filter, secondary settling, oxidation pond. Section 2 - screening, primary settling, oxidation pond; sludge digestion and drying.	Land	
9	City of Escondido Plant No. 1	Domestic	Screening, primary settling, trickling filter, final settling, chlorination; sludge digestion and drying.	Escondido Creek and irrigation	
10	City of Escondido Plant No. 2	Domestic	Comminution, primary settling, aeration (activated sludge), final settling; sludge digestion and drying.	Escondido Creek	
11	Santee County Water District	Domestic	Comminution, primary settling, aeration (activated sludge), final settling, chlorination, oxidation pond; sludge digestion and drying.	Recreation lake; overflow to San Diego River	
12	City of El Cajon	Domestic and industrial	Screening, primary settling, aeration, final settling, chlorination; sludge digestion and drying.	Land and Sweetwater River	
13	City of Coronado "B" Street	Domestic	Chlorination	San Diego Bay	
14	City of Coronado "K" Street	Domestic	Chlorination	San Diego Bay	
15	City of San Diego	Domestic and industrial	Screening, preaeration, primary settling, chlorination; sludge digestion.	San Diego Bay	
16	Spring Valley Sanitation District	domestic	Screening, primary settling, two-stage trickling filter, chlorination; sludge digestion and drying.	Land and Sweetwater River	
17	City of Chula Vista "G" Street Plant	Domestic and industrial	Screening, primary settling; sludge digestion.	San Diego Bay	
18	City of Chula Vista "J" Street Plant	Domestic and industrial	Screening, preaeration, primary settling; sludge digestion.	San Diego Bay	

TABLE- A-9 (continued)

WASTE WATER TREATMENT FACILITIES JUNE 30, 1962

SAN DIEGO REGION (NO. 9)

Number	Agency	Type of waste	Description of treatment	Discharge to	Remarks
19	Palm City Sanitation District	Domestic	Primary settling, oxidation ponds; sludge digestion and drying.	San Diego Bay	
20	City of Imperial Beach	Domestic	Screening, primary settling, trickling filter final settling, oxidation pond; sludge digestion and drying.	Pacific Ocean at Mouth of Tijuana River	
21	International Boundary and Water Commission	Domestic and industrial	Chlorination.	Pacific Ocean at mouth of Tijuana River	

APPENDIX B

QUANTITIES OF WASTE WATERS

APPENDIX B

QUANTITIES OF WASTE WATERS

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TABLE B-1

QUANTITIES OF WASTE WATER

NORTH COASTAL REGION (NO. 1)

Year		City of Arcata (1)	City of Eureka (Murray St. Plant) (2)	City of Willite (3)	City of Ukiah (4)	Mendocino State Hospital (5)	City of Santa Rosa (6)
1955-56	Average rate of flow in Millions of Gallons per day	0.6[a]	2.0[a]	0.5[a]	0.7[a]		4.7
	Total Acre Feet per year	670[a]	2240[a]	560[a]	780[a]		5260
1956-57	Average rate of flow in Millions of Gallons per day	0.6[a]	2.0[a]	0.5[a]	0.7[a]		3.7
	Total Acre Feet per year	670[a]	2240[a]	560[a]	780[a]		4170
1957-58	Average rate of flow in Millions of Gallons per day	0.7[a]	2.6[a]	0.7[a]	1.2[a]		6.0
	Total Acre Feet per year	780[a]	2890[a]	800[a]	1320[a]		6750
1958-59	Average rate of flow in Millions of Gallons per day	0.8[a]	1.5	0.5[a]	1.3[a]	0.8	4.0
	Total Acre Feet per year	950[a]	1690	560[a]	1470[a]	911	4450
1959-60	Average rate of flow in Millions of Gallons per day	0.7	1.8	0.7	1.9	0.5	4.9
	Total Acre Feet per year	790	2060	770	2105	601	5526
1960-61	Average rate of flow in Millions of Gallons per day	1.3	2.6	0.9	2.2	0.6	5.1
	Total Acre Feet per year	1420	2870	1060	2416	677	5674
1961-62	Average rate of flow in Millions of Gallons per day	1.2	2.1	0.9	1.7	0.6	5.3
	Total Acre Feet per year	1330	2380	1030	1880	631	5894

Year							
1955-56	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1956-57	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1957-58	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1958-59	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1959-60	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1960-61	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1961-62	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						

a/ Estimated.

TABLE B-2

QUANTITIES OF WASTE WATER

SAN FRANCISCO BAY REGION (NO. 2)

Year		Sausalito-Marin City Sanitary District (1)	City of Mill Valley (2)	Marin County Sanitary District Nos. 1 and 2 (3)	San Rafael Sanitation District (4)	Las Gallinas Valley Sanitary District (5)	Marin County Sanitary District No. 6 (6)	City of Petaluma (7)
1955-56	Average rate of flow in Millions of Gallons per day	1.4[a]	0.9[a]	3.0	2.3[a]			0.9
	Total Acre Feet per year	1,570[a]	1,010[a]	3,360	2,580[a]			1,010
1956-57	Average rate of flow in Millions of Gallons per day	1.4[a]	0.9[a]	3.4[a]	2.3[a]			0.8
	Total Acre Feet per year	1,570[a]	1,010[a]	3,810[a]	2,580[a]			900
1957-58	Average rate of flow in Millions of Gallons per day	1.2[a]	1.5	4.7	2.6			0.8
	Total Acre Feet per year	1,340[a]	1,680	5,260	2,910			900
1958-59	Average rate of flow in Millions of Gallons per day	1.0[a]	1.3	3.9	1.9		0.7	1.0
	Total Acre Feet per year	1,120[a]	1,460	4,370	2,130		780	1,120
1959-60	Average rate of flow in Millions of Gallons per day	0.9[a]	1.1	3.2	2.1	0.5	0.8	0.8
	Total Acre Feet per year	1,010[a]	1,230	3,580	2,350	560	900	900
1960-61	Average rate of flow in Millions of Gallons per day	1.1[a]	1.2	3.6	2.2	0.5	[illegible]	0.8
	Total Acre Feet per year	1,230[a]	1,340	4,030	2,460	560	1,120	900
1961-62	Average rate of flow in Millions of Gallons per day	1.3[a]	1.5	3.8[a]	2.3[a]	0.7	1.4	1.0
	Total Acre Feet per year	1,460[a]	1,680	4,260[a]	2,580[a]	780	1,570	1,120

Year		Napa County Sanitation District (8)	Sonoma Valley Sanitary District (9)	Travis Air Force Base (10)	Cities of Fairfield and Suisun (11)	Mare Island Naval Shipyard (12)	Vallejo Flood Control and Sanitation District (13)	City of Benicia (14)
1955-56	Average rate of flow in Millions of Gallons per day	2.3[a]			1.2[a]		6.0[a]	0.7[a]
	Total Acre Feet per year	2,580[a]			1,340[a]		6,720[a]	780[a]
1956-57	Average rate of flow in Millions of Gallons per day	2.4[a]			1.4[a]		6.0[a]	0.7[a]
	Total Acre Feet per year	2,690[a]			1,570[a]		6,720[a]	780[a]
1957-58	Average rate of flow in Millions of Gallons per day	4.1			1.5[a]		6.0[a]	0.7[a]
	Total Acre Feet per year	4,590			1,680[a]		6,720[a]	780[a]
1958-59	Average rate of flow in Millions of Gallons per day	3.2	[illegible]		1.5[a]		6.0[a]	0.7[a]
	Total Acre Feet per year	3,580	1,340		1,680[a]		6,720[a]	780[a]
1959-60	Average rate of flow in Millions of Gallons per day	3.2	[illegible]	0.5	1.7[a]	1.0	4.0	0.3[a]
	Total Acre Feet per year	3,580	1,340	560	1,900[a]	1,120	4,480	340[a]
1960-61	Average rate of flow in Millions of Gallons per day	4.0	1.5	0.4	1.8	1.0	5.3	0.3[a]
	Total Acre Feet per year	4,480	1,680	450	2,020	1,120	5,940	340[a]
1961-62	Average rate of flow in Millions of Gallons per day	4.3	1.5	0.9	2.4	1.1	5.9	0.3[a]
	Total Acre Feet per year	4,820	1,680	1,010	2,690	1,230	6,610	340[a]

a. Estimated

TABLE B-2 (continued)

QUANTITIES OF WASTE WATER

SAN FRANCISCO BAY REGION (NO. 2)

Year		Ethyl Corporation (15)	Dow Chemical Company (16)	Outfall No. 1	U.S. Steel Outfall No. 2 (17)	Outfall No. 3	Johns-Manville Corporation (18)	City of Pittsburg (19)
1955-56	Average rate of flow in Millions of Gallons per day			3.0[a]	10.0[a]	9.0[a]	1.4[a]	1.0[a]
	Total Acre Feet per year			3,360[a]	11,200[a]	10,100[a]	1,570[a]	1,120[a]
1956-57	Average rate of flow in Millions of Gallons per day			3.0	10.0[a]	9.0[a]	1.4[a]	1.0[a]
	Total Acre Feet per year			3,360[a]	11,200[a]	10,100[a]	1,570[a]	1,120[a]
1957-58	Average rate of flow in Millions of Gallons per day		26.2	2.8[a]	9.5[a]	8.2[a]	1.4[a]	1.1
	Total Acre Feet per year		29,390	3,120[a]	10,650[a]	9,180	1,570[a]	1,230
1958-59	Average rate of flow in Millions of Gallons per day		23.7	3.2[a]	11.1[a]	9.6[a]	1.4[a]	1.2
	Total Acre Feet per year		26,530	3,640[a]	12,410[a]	10,760[a]	1,570[a]	[illegible]
1959-60	Average rate of flow in Millions of Gallons per day	0.8[a]	25.5	2.8	9.2	6.8	1.0[a]	1.2
	Total Acre Feet per year	900[a]	28,690	3,140	10,290	7,690	1,120	1,340
1960-61	Average rate of flow in Millions of Gallons per day	0.6	24.5	3.7	13.0	8.4	1.0[a]	1.1
	Total Acre Feet per year	670	27,420	4,100	14,520	9,360	1,120	1,230
1961-62	Average rate of flow in Millions of Gallons per day	0.6	25.7	3.4	13.4	6.3	1.8[a]	1.4
	Total Acre Feet per year	670	28,830	3,870	15,070	7,050	2,020[a]	1,570

Year		Shell Chemical Company (20)	City of Concord (21)	Central Contra Costa Sanitary District (22)	City of Martinez (23)	C and H Sugar Refinery (24)	American Smelting and Refining Company (25)	San Pablo Sanitary District (26)
1955-56	Average rate of flow in Millions of Gallons per day	14.4	2.6	4.2[a]	0.7	0.5[a]	1.0[a]	2.8
	Total Acre Feet per year	16,130	2,910	4,700[a]	780	560[a]	1,120[a]	3,140
1956-57	Average rate of flow in Millions of Gallons per day	14.4	2.3	4.6[a]	0.6	0.5[a]	1.0[a]	2.4
	Total Acre Feet per year	16,130	2,580	5,150[a]	670	560[a]	1,120[a]	2,690
1957-58	Average rate of flow in Millions of Gallons per day	14.4	3.3	6.8[a]	0.8	0.5[a]	1.3[a]	3.6
	Total Acre Feet per year	16,130	3,700	7,620[a]	900	560[a]	1,460[a]	4,030
1958-59	Average rate of flow in Millions of Gallons per day	14.4	3.3	6.4[a]	0.8	0.6[a]	1.3[a]	3.2
	Total Acre Feet per year	16,130	3,700	7,170[a]	900	670[a]	1,460[a]	3,580
1959-60	Average rate of flow in Millions of Gallons per day	14.4	2.7	8.0[a]	0.8[a]	0.5[a]	1.2[a]	3.1[a]
	Total Acre Feet per year	16,130	3,020	8,960[a]	900[a]	560[a]	1,340[a]	3,470[a]
1960-61	Average rate of flow in Millions of Gallons per day	14.4	2.6	7.1	0.7	0.5[a]	1.2[a]	2.8[a]
	Total Acre Feet per year	16,130	2,910	7,950	780	560[a]	1,340[a]	3,140[a]
1961-62	Average rate of flow in Millions of Gallons per day	14.4	3.2	8.3	0.7	0.5[a]	1.2[a]	4.8
	Total Acre Feet per year	16,130	3,590	9,300	780	560[a]	1,340[a]	5,380

a Estimated

TABLE B-2 (continued)

QUANTITIES OF WASTE WATER

SAN FRANCISCO BAY REGION (NO. 2)

Year		City of Richmond (27)	Stege Sanitary District (28)	East Bay Municipal Utility District (29)	City of San Leandro (30)		Oro Loma Sanitary District (31)	City of Hayward (32)	Union Sanitary District Newark Plant (33)
1955-56	Average rate of flow in Millions of Gallons per day	6.0[a]	2.4	64.7	6.0[a]		7.4[a]	3.9	0.9
	Total Acre Feet per year	6,720[a]	2,690	72,460	6,720[a]		8,290[a]	4,370	1,010
1956-57	Average rate of flow in Millions of Gallons per day	6.0[a]	2.3[a]	58.3	6.0[a]		7.7	4.3	1.0
	Total Acre Feet per year	6,720[a]	2,580	65,300	6,720[a]		8,620	4,820	1,120
1957-58	Average rate of flow in Millions of Gallons per day	6.0[a]	2.9[a]	71.8	Domestic 3.0	Industrial 3.4	10.6	5.2	1.4
	Total Acre Feet per year	6,720[a]	3,250[a]	80,420	3,360	3,810	11,870	5,820	1,570
1958-59	Average rate of flow in Millions of Gallons per day	6.0[a]	2.4	60.4	3.0	3.5	9.0	5.6	2.1
	Total Acre Feet per year	6,720[a]	2,690	67,650	3,360	3,920	10,080	6,270	2,350
1959-60	Average rate of flow in Millions of Gallons per day	6.8[a]	2.6	64.5	3.2	1.7	10.2	6.6	2.0
	Total Acre Feet per year	7,620[a]	2,910	72,240	3,580	1,900	11,420	7,390	2,240
1960-61	Average rate of flow in Millions of Gallons per day	6.3	2.8	64.6	3.6	2.2	9.7	6.7	1.9
	Total Acre Feet per year	7,060	3,140	72,350	4,030	2,460	10,860	7,500	2,130
1961-62	Average rate of flow in Millions of Gallons per day	7.3	3.3	70.0	3.0	3.1	10.3	6.5	2.2
	Total Acre Feet per year	8,180	3,700	78,400	3,360	3,470	11,540	7,280	2,460

Year		Union Sanitary District Irvington Plant (34)	Milpitas Sanitary District (35)	City of San Jose (36)	City of Sunnyvale (37)	City of Mt. View (38)	City of Palo Alto (39)	Menlo Park Sanitary District (40)
1955-56	Average rate of flow in Millions of Gallons per day			19.7[a]	5.5[a]	1.3	4.9	2.9
	Total Acre Feet per year			22,060[a]	6,160[a]	1,460	5,490	3,250
1956-57	Average rate of flow in Millions of Gallons per day			20.3[a]	5.5[a]	1.4[a]	5.0	3.0
	Total Acre Feet per year			22,740[a]	6,160[a]	1,570[a]	5,600	3,360
1957-58	Average rate of flow in Millions of Gallons per day			26.7	7.7	2.0	6.9	3.4
	Total Acre Feet per year			29,900	8,620	2,240	7,730	3,810
1958-59	Average rate of flow in Millions of Gallons per day		0.9	35.6	8.1	1.9	6.7	3.4
	Total Acre Feet per year		1,010	39,870	9,070	2,130	7,500	3,810
1959-60	Average rate of flow in Millions of Gallons per day		0.9	38.6	6.7	1.9	6.1	3.7
	Total Acre Feet per year		1,010	43,230	7,500	2,130	6,830	4,140
1960-61	Average rate of flow in Millions of Gallons per day	1.8	0.9	40.8	9.1	2.1	7.5	3.8
	Total Acre Feet per year	2,020	1,010	45,700	10,190	2,350	8,400	4,260
1961-62	Average rate of flow in Millions of Gallons per day	2.2	0.9	41.6	8.9	2.6	8.0	4.0
	Total Acre Feet per year	2,450	1,010	46,590	9,970	2,910	8,960	4,480

a Estimated

TABLE B-2 (continued)

QUANTITIES OF WASTE WATER

SAN FRANCISCO BAY REGION (NO. 2)

Year		City of Redwood City (41)	Cities of San Carlos-Belmont (42)	City of San Mateo (43)	City of Burlingame (44)	City of Millbrae (45)	Cities of South San Francisco and San Bruno (46)	City and County of San Francisco Southeast Plant (47)
1955-56	Average rate of flow in Millions of Gallons per day	6.0[a]	2.2	5.1	2.0[a]	0.6	4.5	16.5[a]
	Total Acre Feet per year	6,720[a]	2,460	5,710	2,240[a]	670	5,040	18,480[a]
1956-57	Average rate of flow in Millions of Gallons per day	6.0[a]	1.9	5.5[a]	2.2[a]	0.7	5.0	16.9[a]
	Total Acre Feet per year	6,720[a]	2,130	6,160[a]	2,460[a]	780	5,600	18,930[a]
1957-58	Average rate of flow in Millions of Gallons per day	6.6	2.6	8.1	2.5	0.8	6.7	21.6
	Total Acre Feet per year	7,390	2,910	9,070	2,800	900	7,500	24,190
1958-59	Average rate of flow in Millions of Gallons per day	6.1	2.5	6.0	1.8	0.9	5.3	17.4
	Total Acre Feet per year	6,830	2,800	6,720	2,020	1,010	5,940	19,490
1959-60	Average rate of flow in Millions of Gallons per day	5.3	2.5[a]	6.2	2.1	1.0[a]	5.2	16.4
	Total Acre Feet per year	5,940	2,800[a]	6,940	2,350	1,120[a]	5,820	18,370
1960-61	Average rate of flow in Millions of Gallons per day	4.5	2.1	6.3	2.0	1.1	5.7	16.4
	Total Acre Feet per year	5,040	2,350	7,060	2,240	1,230	6,380	18,370
1961-62	Average rate of flow in Millions of Gallons per day	4.7	3.0	5.9	2.1	1.3[a]	6.6	17.5
	Total Acre Feet per year	5,260	3,360	6,610	2,350	1,460[a]	7,390	19,600

Year		City and County of San Francisco			North San Mateo County Sanitation District (51)	City of Livermore (52)
		North Point Plant (48)	McQueen Plant (Golden Gate Park) (49)	Richmond-Sunset Plant (50)		
1955-56	Average rate of flow in Millions of Gallons per day	42.1	0.7[a]	13.2	1.5	1.1[a]
	Total Acre Feet per year	47,150	780[a]	14,780	1,680	1,230[a]
1956-57	Average rate of flow in Millions of Gallons per day	43.3	0.7[a]	13.9	1.5	1.1[a]
	Total Acre Feet per year	48,500	780[a]	15,570	1,680	1,230[a]
1957-58	Average rate of flow in Millions of Gallons per day	46.3	0.7[a]	13.6	1.7	1.0[a]
	Total Acre Feet per year	51,860	780[a]	15,230	1,900	1,120[a]
1958-59	Average rate of flow in Millions of Gallons per day	42.8	0.7[a]	14.9	1.3	1.0[a]
	Total Acre Feet per year	47,940	780[a]	16,690	1,460	1,120[a]
1959-60	Average rate of flow in Millions of Gallons per day	46.9	0.6[a]	14.5	1.6	1.3
	Total Acre Feet per year	52,530	670[a]	16,240	1,790	1,460
1960-61	Average rate of flow in Millions of Gallons per day	46.8	0.6[a]	15.9	1.9	1.7
	Total Acre Feet per year	52,420	670[a]	17,810	2,130	1,900
1961-62	Average rate of flow in Millions of Gallons per day	47.5	0.6[a]	16.4	2.1	1.6
	Total Acre Feet per year	53,200	670[a]	18,370	2,350	1,790

TABLE B-3

QUANTITIES OF WASTE WATER

CENTRAL COASTAL REGION (NO. 3)

Year		City of Santa Cruz (1)	City of Watsonville (2)	Fort Ord (3)	Seaside County Sanitation District (4)	City of Monterey (5)	City of Pacific Grove (6)	Carmel Sanitary District (7)
1955-56	Average rate of flow in Millions of Gallons per day	3.8	2.5		0.7	1.7	1.1	1.0[a]
	Total Acre Feet per year	4,260	2,800		780	1,900	1,230	1,120[a]
1956-57	Average rate of flow in Millions of Gallons per day	3.5	2.7		0.9	1.7	1.0	1.0[a]
	Total Acre Feet per year	3,920	3,020		1,010	1,900	1,120	1,120[a]
1957-58	Average rate of flow in Millions of Gallons per day	3.4	2.4	1.4	0.9	1.8	1.5	1.4
	Total Acre Feet per year	3,810	2,690	1,570	1,010	2,020	1,680	1,570
1958-59	Average rate of flow in Millions of Gallons per day	3.7	2.5	1.5	1.0	1.7	1.3	1.4
	Total Acre Feet per year	4,140	2,800	1,680	1,130	1,900	1,460	1,570
1959-60	Average rate of flow in Millions of Gallons per day	3.1	1.8[a]	1.7	1.4	2.1	1.2	1.5
	Total Acre Feet per year	3,470	2,020[a]	1,900	1,570	2,350	1,340	1,680
1960-61	Average rate of flow in Millions of Gallons per day	2.6	2.0[a]	1.9	1.5	2.3	1.2	1.5
	Total Acre Feet per year	2,910	2,240[a]	2,130	1,680	2,580	1,340	1,680
1961-62	Average rate of flow in Millions of Gallons per day	3.4	2.5	1.8	1.8	2.3	1.3	1.6[a]
	Total Acre Feet per year	3,810	2,800	2,020	2,020	2,580	1,460	1,790[a]

Year		City of Salinas (8)	Alisal Sanitary Dietrict (9)	Soledad State Prison (10)	City of Paso Robles (11)	Morro Bay - Cayucos Sanitary District (12)	City of San Luis Obispo (13)	Vandenberg Air Force Base (14)
1955-56	Average rate of flow in Millions of Gallons per day	2.4[a]	0.9		0.9		1.5	
	Total Acre Feet per year	2,690[a]	1,010		1,000		1,670	
1956-57	Average rate of flow in Millions of Gallons per day	2.6[a]	1.0		0.9[a]		1.3	
	Total Acre Feet per year	2,910[a]	1,120		970[a]		1,510	
1957-58	Average rate of flow in Millions of Gallons per day	5.6	0.6		0.9	0.6[a]	1.7	
	Total Acre Feet per year	6,270	670		1,050	650[a]	1,950	
1958-59	Average rate of flow in Millions of Gallons per day	5.2	0.8		0.9	0.6[a]	1.4	0.8
	Total Acre Feet per year	5,820	900		1,000	650[a]	1,540	940
1959-60	Average rate of flow in Millions of Gallons per day	4.1	1.0	0.6[a]	1.0	0.6[a]	1.6	1.3
	Total Acre Feet per year	4,590	1,120	670[a]	1,160	670[a]	1,750	1,430
1960-61	Average rate of flow in Millions of Gallons per day	3.8	1.0	0.6[a]	0.8	0.6[a]	1.6	1.5
	Total Acre Feet per year	4,260	1,120	670[a]	920	670[a]	1,790	1,680
1961-62	Average rate of flow in Millions of Gallons per day	3.9	0.7[a]	0.7	0.8	0.6	2.6	1.4
	Total Acre Feet per year	4,370	780[a]	780	850	670	2,880	1,540

a Estimated

TABLE B-3 (continued)

QUANTITIES OF WASTE WATER

CENTRAL COASTAL REGION (NO. 3)

Year		City of Santa Maria (15)	City of Lompoc (16)	Goleta Sanitary District (17)	City of Santa Barbara (18)	Carpinteria Sanitary District (19)		
1955-56	Average rate of flow in Millions of Gallons per day	1.2		0.2	4.5	0.3		
	Total Acre Feet per year	1,290		220	5,000	300		
1956-57	Average rate of flow in Millions of Gallons per day	1.4		0.2	4.7	0.3[a]		
	Total Acre Feet per year	1,620		250	5,210	300[a]		
1957-58	Average rate of flow in Millions of Gallons per day	2.1	0.4	0.4	5.0	0.4		
	Total Acre Feet per year	2,320	490	420	5,550	420		
1958-59	Average rate of flow in Millions of Gallons per day	2.4	0.6	0.5	4.7	0.3		
	Total Acre Feet per year	2,690	650	530	5,240	330		
1959-60	Average rate of flow in Millions of Gallons per day	2.9	0.7	0.8	5.0	0.4		
	Total Acre Feet per year	3,280	770	950	5,570	450		
1960-61	Average rate of flow in Millions of Gallons per day	3.2	1.0[a]	1.0	5.0	0.5		
	Total Acre Feet per year	3,540	1,120[a]	1,130	5,630	560		
1961-62	Average rate of flow in Millions of Gallons per day	3.5[a]	1.1	1.3	5.9	0.7		
	Total Acre Feet per year	4,000[a]	1,180	1,460	6,570	730		

Year								
1955-56	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1956-57	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1957-58	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1958-59	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1959-60	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1960-61	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1961-62	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							

a Estimate

TABLE B-4

QUANTITIES OF WASTE WATER

LOS ANGELES REGION (NO. 4)

Year		City of Ojai (1)	City of Santa Paula (2)	City of Ventura Seaside Plant (3)	City of Ventura Eastside Plant (4)	City of Oxnard (5)	Port Hueoeme Sanitary District (6)	U. S. Neval Construction Battalion Center, Port Hueneme (7)
1955-56	Average rate of flow in Millions of Gallons per day		0.6[a]	2.3		3.3	0.7[a]	0.6[a]
	Total Acre Feet per year		620[a]	2,580		3,680	780[a]	630[a]
1956-57	Average rate of flow in Millions of Gallons per day		0.6[a]	2.3		3.6	0.7[a]	0.8[a]
	Total Acre Feet per year		620[a]	2,580		4,040	780[a]	900[a]
1957-58	Average rate of flow in Millions of Gallons per day		0.6[a]	3.1		3.6	0.7[a]	0.6[a]
	Total Acre Feet per year		620[a]	3,490		4,010	840[a]	720[a]
1958-59	Average rate of flow in Millions of Gallons per day		0.6	3.6		3.0	1.2[a]	0.7[a]
	Total Acre Feet per year		620	4,000		3,380	1,380[a]	760[a]
1959-60	Average rate of flow in Millions of Gallons per day		0.6	2.4		3.3	1.3[a]	0.6[a]
	Total Acre Feet per year		620	2,680		3,740	1,510[a]	640[a]
1960-61	Average rate of flow in Millions of Gallons per day	0.7	0.7	1.1	1.1	3.8	1.0[a]	0.6[a]
	Total Acre Feet per year	770	765	1,250[a]	1,200	4,280	1,110[a]	695[a]
1961-62	Average rate of flow in Millions of Gallons per day	0.7	0.9	1.5	1.5	4.2	1.0[a]	0.8
	Total Acre Feet per year	820	1,060	1,700	1,700	4,720	1,120[a]	850

Year		Camarillo Sanitary District (8)	City of Los Angeles Hyperioo Plant (9)	City of Los Angeles Terminal Island Plant (10)	County Sanitation Districts of Los Angeles County Joint Disposal Plant (11)	County Sanitation Districts of Los Angeles County Lucky Lager Plant (12)	County Sanitation Districts of Los Angeles County Azusa Plant (13)	County Sanitatioo Districts of Los Angeles County Pomona Plant (14)
1955-56	Average rate of flow in Millions of Gallons per day		249.1	6.1	181.0		0.7	2.8
	Total Acre Feet per year		279,810	6,830	202,740		730	3,180
1956-57	Average rate of flow in Millions of Gallons per day		256.3	6.0	191.5	0.3	0.6	3.9
	Total Acre Feet per year		287,040	6,770	214,500	340	690	4,420
1957-58	Average rate of flow in Millions of Gallons per day		267.2	6.2	213.6	0.3	0.6	4.3
	Total Acre Feet per year		299,360	6,910	239,290	360	640	4,790
1958-59	Average rate of flow in Millions of Gallons per day	0.2[a]	261.7	6.2	234.3	0.5	0.6	4.3
	Total Acre Feet per year	180[a]	293,160	6,950	262,420	600	700	4,810
1959-60	Average rate of flow in Millions of Gallons per day	0.3	258.8	6.4	257.4	0.5	0.7	4.6
	Total Acre Feet per year	310	290,680	7,160	289,170	610	750	5,150
1960-61	Average rate of flow in Millions of Gallons per day	0.3	260.8	6.3	270.4	0.4	0.6	3.8
	Total Acre Feet per year	390	292,100	7,100	302,850	440	720	4,200
1961-62	Average rate of flow in Millions of Gallons per day	0.7	278.2	6.5	278.6	0.3	0.6	3.3
	Total Acre Feet per year	810	311,630	7,930	312,100	380	730	3,710

a Estimated

TABLE B-5

QUANTITIES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Year		City of Redding (1)	City of Red Bluff (2)	City of Chico (3)	City of Oroville (4)	City of Gridley (5)	Yuba City (6)	City of Marysville (7)
1955-56	Average rate of flow in Millions of Gallons per day	2.6	0.8	1.6[a]	0.8[a]	0.7	1.5[a]	1.6
	Total Acre Feet per year	2900	850	1790[a]	900[a]	770	1680[a]	1780
1956-57	Average rate of flow in Millions of Gallons per day	2.7	0.5	1.5[a]	0.8[a]	0.6	1.5[a]	1.4
	Total Acre Feet per year	3000	590	1680[a]	900[a]	650	1680[a]	1610
1957-58	Average rate of flow in Millions of Gallons per day	1.8	0.9[a]	1.6[a]	0.8[a]	0.8	1.8	1.5
	Total Acre Feet per year	2060	1000[a]	1770[a]	900[a]	840	2040	1660
1958-59	Average rate of flow in Millions of Gallons per day	2.0	0.9	1.4[a]	0.8[a]	0.7	1.9	1.6
	Total Acre Feet per year	2190	1040	1600[a]	900[a]	790	2030	1820
1959-60	Average rate of flow in Millions of Gallons per day	1.9	1.0	1.4[a]	0.7[a]	0.7[b]	2.1	1.6
	Total Acre Feet per year	2170	1140	1560[a]	810[a]	760[b]	2360	1750
1960-61	Average rate of flow in Millions of Gallons per day	2.0	1.1	1.4[a]	1.1[a]	0.7	1.5	1.6
	Total Acre Feet per year	2210	1230	1560[a]	1270[a]	830	1670	1780
1961-62	Average rate of flow in Millions of Gallons per day	2.3	1.1	1.4[a]	1.6[b]	0.6[b]	1.1	1.8
	Total Acre Feet per year	2560	1270	1520[a]	1800[b]	670[b]	1280	2030

Year		City of Grass Valley (8)	City of Auburn (9)	City of Roseville (10)	City of Placerville (11)	Sacramento County Sanitation District No. 6 (12)	McClellan Air Force Base (13)	City of Woodland (14)
1955-56	Average rate of flow in Millions of Gallons per day	1.0[a]	0.4[a]	1.2		1.0[a]	0.9[a]	1.6[a]
	Total Acre Feet per year	1100[a]	450[a]	1390		1100[a]	1010[a]	1750[a]
1956-57	Average rate of flow in Millions of Gallons per day	1.0[a]	0.4[a]	1.1		1.0[a]	0.9[a]	1.9[a]
	Total Acre Feet per year	1100[a]	450[a]	1270		1100[a]	1010[a]	2130[a]
1957-58	Average rate of flow in Millions of Gallons per day	1.1	0.5	1.2		1.1	0.9	1.9[a]
	Total Acre Feet per year	1200	600	1390		1200	970	2130[a]
1958-59	Average rate of flow in Millions of Gallons per day	1.4	0.4	1.3		1.2	0.7	2.0[a]
	Total Acre Feet per year	1500	500	1500		1340	800	2210[a]
1959-60	Average rate of flow in Millions of Gallons per day	1.7	0.6	1.5	1.3[a]	1.5	0.6	2.0[a]
	Total Acre Feet per year	1950	680	1700	1420[a]	1690	730	2200[a]
1960-61	Average rate of flow in Millions of Gallons per day	2.2	0.7	1.5	1.3[a]	1.9	1.1	2.1[a]
	Total Acre Feet per year	2470	760	1700	1420[a]	2080	1190	2300[a]
1961-62	Average rate of flow in Millions of Gallons per day	1.8[b]	0.8[a]	1.5[a]	1.3[a]	1.9	1.5	2.1[a]
	Total Acre Feet per year	2000[b]	840[a]	1700[a]	1450[a]	2140	1670	2300[a]

a Estimated.
b Partial estimate

TABLE B-5 (continued)

QUANTITIES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Year		City of Davis (15)	West Sacramento Sanitary District (16)	City of Sacramento (17)	Sacramento County Parkway Estates Sewer Maintenance District (18)	Sacramento County Sanitation District No. 3 (19)	Sacramento County Cordova Sewer Maintenance District (20)	Mather Air Force Base (21)
1955-56	Average rate of flow in Millions of Gallons per day	0.7	1.6[a]	45.2				0.8[a]
	Total Acre Feet per year	780	1790[a]	50630				900[a]
1956-57	Average rate of flow in Millions of Gallons per day	0.8	1.6[a]	44.1				0.8[a]
	Total Acre Feet per year	900	1790[a]	49440				900[a]
1957-58	Average rate of flow in Millions of Gallons per day	0.7	2.2	45.6				1.0
	Total Acre Feet per year	820	2510	51140				1150
1958-59	Average rate of flow in Millions of Gallons per day	1.1	1.6	45.2				0.8
	Total Acre Feet per year	1190	1830	50700				920
1959-60	Average rate of flow in Millions of Gallons per day	1.0[a]	1.7	48.1	0.5	2.1	0.7	0.8
	Total Acre Feet per year	1120[a]	1870	54070	540	2320	780	840
1960-61	Average rate of flow in Millions of Gallons per day	1.0[a]	1.7	50.4	0.6	2.4	0.9	0.8
	Total Acre Feet per year	1120[a]	1930	56410	620	2650	1030	840
1961-62	Average rate of flow in Millions of Gallons per day	1.1[a]	2.0	50.5	0.8	2.4	1.2	1.0
	Total Acre Feet per year	1230[a]	2230	56570	840	2670	1330	1080

Year		City of Vacaville Brown Street Plant (22)	Vacaville Easterly Plant (23)	Fibreboard Products Antioch Division (24)	City of Antioch (25)	Crown-Zellerbach Corporation (26)	Fibreboard Products San Joaquin Division (27)	E. I. Dupont Company (28)
1955-56	Average rate of flow in Millions of Gallons per day			5.0[a]	0.8[a]	11.0[a]	18.6[a]	0.7[a]
	Total Acre Feet per year			5600[a]	900[a]	12300[a]	20830[a]	780[a]
1956-57	Average rate of flow in Millions of Gallons per day			5.0[a]	1.0[a]	11.0[a]	18.6[a]	0.7[a]
	Total Acre Feet per year			5600[a]	1120[a]	12300[a]	20830[a]	780[a]
1957-58	Average rate of flow in Millions of Gallons per day			6.0[a]	1.1[a]	Cooling : Process 8.0 : 3.4	18.1[a]	0.5
	Total Acre Feet per year			6720[a]	1200[a]	8940 : 3820	20220[a]	590
1958-59	Average rate of flow in Millions of Gallons per day			6.0[a]	1.1[a]	9.8 : 3.5	18.3[a]	0.5
	Total Acre Feet per year			6720[a]	1260[a]	11440 : 4320	20530[a]	570
1959-60	Average rate of flow in Millions of Gallons per day	1.1[b]		5.4[a]	1.1	11.9 : 2.8	19.0[a]	0.7
	Total Acre Feet per year	1250[b]		6020[a]	1180	13370 : 3090	21300[a]	750
1960-61	Average rate of flow in Millions of Gallons per day	0.7	0.8[c]	4.8[a]	1.1	12.6 : 2.9	19.0[a]	0.6
	Total Acre Feet per year	800	500	5430[a]	1210	14090 : 3220	21300[a]	620
1961-62	Average rate of flow in Millions of Gallons per day	0.5	1.2[c]	4.9[a]	1.0	13.2 : 2.8	18.9	0.6
	Total Acre Feet per year	590	680	5490[a]	1170	14760 : 3160	21200	670

a. estimated.
b. partial estimate.

TABLE B-5 (continued)

QUANTITIES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Year		City of Lodi (29)	North Utility District (Lincoln Village) (30)	City of Stockton North Plant (31)	City of Stockton South Plant (32)	City of Tracy (33)	City of Manteca (34)	City of Modesto (35)
1955-56	Average rate of flow in Millions of Gallons per day	2.1	1.0[a]	5.2	11.5	1.9	1.0[a]	6.0[a]
	Total Acre Feet per year	2370	1120[a]	5770	12900	2130	1100[a]	6720[a]
1956-57	Average rate of flow in Millions of Gallons per day	2.0	1.0[a]	5.2	11.8	2.0	1.0[a]	6.0[a]
	Total Acre Feet per year	2270	1120[a]	5750	13200	2280	1100[a]	6720[a]
1957-58	Average rate of flow in Millions of Gallons per day	2.0	1.3	5.6	11.5	Domestic 1.2 : Industrial 2.5[a]	1.3[a]	6.5
	Total Acre Feet per year	2260	1500	6270	12930	1350 : 2800[a]	1410[a]	7250
1958-59	Average rate of flow in Millions of Gallons per day	2.1	1.1	5.7	11.0	1.1[a] : 2.5[a]	1.1	7.0
	Total Acre Feet per year	2340	1180	6420	12360	1190[a] : 2800[a]	1260	7870
1959-60	Average rate of flow in Millions of Gallons per day	Domestic 2.2 : Industrial 0.5[a]	1.1	6.3[b]	11.4	1.2 : 1.6	1.1	Domestic 3.4 : Industrial 3.9
	Total Acre Feet per year	2490 : 380[a]	1280	6370[b]	12820	1400 : 930	1224	3800 : 4370
1960-61	Average rate of flow in Millions of Gallons per day	3.2 : 0.5[a]	1.1	b	16.1	1.3 : 2.0	1.1	4.2 : 3.8
	Total Acre Feet per year	3630 : 380[a]	1250	b	18030	1470 : 1020	1280	4700 : 4250
1961-62	Average rate of flow in Millions of Gallons per day	3.6 : 0.5[a]	1.1	4.2[c]	14.4	1.6 : 1.5	1.2	3.8 : 4.7
	Total Acre Feet per year	4020 : 380[a]	1210	2630[c]	16110	1730 : 750	1287	4250 : 5260

Year		City of Turlock (36)	Castle Air Force Base (37)	City of Atwater (38)	City of Merced (39)	City of Madera (40)	City of Clovis (41)	City of Fresno (42)
1955-56	Average rate of flow in Millions of Gallons per day	1.9	0.6[a]	--	2.8	1.4[a]	0.6[a]	20.0[a]
	Total Acre Feet per year	2080	670[a]	--	3090	1570[a]	670[a]	22400[a]
1956-57	Average rate of flow in Millions of Gallons per day	2.3[a]	0.6[a]	--	2.3	1.4[a]	0.6[a]	22.0[a]
	Total Acre Feet per year	3620[a]	670[a]	--	2580	1540[a]	670[a]	24640[a]
1957-58	Average rate of flow in Millions of Gallons per day	Domestic 1.0 : Industrial 1.4	0.6	--	4.7[a]	2.4[a]	0.6[a]	25.9[a]
	Total Acre Feet per year	1120 : 1610	720	--	5210[a]	2720[a]	670[a]	28980[a]
1958-59	Average rate of flow in Millions of Gallons per day	1.4 : 1.8	0.6	--	4.0	2.5	0.7[a]	26.8
	Total Acre Feet per year	1530 : 1960	640	--	4630	2830	780[a]	30020
1959-60	Average rate of flow in Millions of Gallons per day	1.4 : 1.7	0.6[a]	1.4	3.2[a]	2.6[a]	0.7[a]	24.5
	Total Acre Feet per year	1512 : 1850	690[a]	1600	3540[a]	2910[a]	780[a]	27440
1960-61	Average rate of flow in Millions of Gallons per day	1.4 : 1.6	0.7[a]	1.6	3.9	2.8	0.8[a]	27
	Total Acre Feet per year	1590 : 1790	784[a]	1810	4420	3080	890[a]	30240
1961-62	Average rate of flow in Millions of Gallons per day	1.6 : 2.0	0.7[a]	1.80	4.0[a]	2.7[a]	0.9[a]	34[a]
	Total Acre Feet per year	1772 : 2204	784[a]	2020	4480[a]	3020[a]	1000[a]	38000[a]

a. estimated.
b. flow bypassed to south plant beginning in June 1960.
c. operation temporarily resumed in 1961-62.

TABLE B-5 (continued)

QUANTITIES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Year		City of Sanger (43)	City of Lemoore (44)	City of Hanford (45)	City of Visalia (46)	City of Corcoran (47)	City of Tulare (48)		City of Lindsay (49)
							Domestic	Industrial	
1955-56	Average rate of flow in Millions of Gallons per day	0.6	2.3[a]	1.6	0.6[a]	--	1.3	0.5	1.0[a]
	Total Acre Feet per year	700	2580[a]	1820	620[a]	--	1420	510	1100[a]
1956-57	Average rate of flow in Millions of Gallons per day	0.8	2.3[a]	1.8	0.6[a]	--	1.5[a]	0.4[a]	1.0[a]
	Total Acre Feet per year	860	2580[a]	2030	620[a]	--	1680[a]	450[a]	1100[a]
1957-58	Average rate of flow in Millions of Gallons per day	0.6	2.3[a]	1.8	0.6[a]	--	1.5[a]	0.4[a]	1.0[a]
	Total Acre Feet per year	650	2580[a]	2000	620[a]	--	1710[a]	450[a]	1100[a]
1958-59	Average rate of flow in Millions of Gallons per day	0.5	2.3[a]	1.9	0.6[a]	0.5	1.7[a]	0.4[a]	1.0[a]
	Total Acre Feet per year	530	2580[a]	2170	650[a]	601	1950[a]	450[a]	1100[a]
1959-60	Average rate of flow in Millions of Gallons per day	0.5[a]	2.3[a]	1.9	1.1[a]	0.4	1.3		1.0[a]
	Total Acre Feet per year	560[a]	2580[a]	2070	1230[a]	445	1485		1100[a]
1960-61	Average rate of flow in Millions of Gallons per day	0.6	2.3[a]	2.0	2.8	0.1	1.3		1.0[a]
	Total Acre Feet per year	670	2580[a]	2280	3140	104[a]	1503		1100[a]
1961-62	Average rate of flow in Millions of Gallons per day	0.8[a]	2.3[a]	1.9	3.4[a]	0.1[a]	1.1		1.0[a]
	Total Acre Feet per year	890[a]	2580[a]	2140	3800[a]	110[a]	1281		1200[a]

Year		City of Porterville (50)	City of Delano (51)	North-of-River Sanitary District (52)	City of Bakersfield Plant No. 1 (53)	Plant No. 2 (54)	Mt. Vernon County Sanitation District (55)	City of Taft (56)
1955-56	Average rate of flow in Millions of Gallons per day	0.6	0.9[a]	1.7[a]	2.0[a]	4.7	2.3	0.5
	Total Acre Feet per year	700	1010[a]	1870[a]	2180[a]	5220	2570	580
1956-57	Average rate of flow in Millions of Gallons per day	0.6	0.9	1.8	2.2	5.3	2.5	0.5
	Total Acre Feet per year	690	1010	1990	2500	5890	2830	600
1957-58	Average rate of flow in Millions of Gallons per day	0.6	1.9	2.0	1.9	5.4	3.4	0.6
	Total Acre Feet per year	650	2110	2280	2130	6070	3760	650
1958-59	Average rate of flow in Millions of Gallons per day	0.7	2.1	1.6	1.8	6.0	3.6	0.6
	Total Acre Feet per year	820	2340	1770	2050	6680	4060	620
1959-60	Average rate of flow in Millions of Gallons per day	0.8[a]	1.2[a]	1.7[a]	2.2	6.3	3.7	0.6
	Total Acre Feet per year	938[a]	1300[a]	1900[a]	2437	7053	4192	627
1960-61	Average rate of flow in Millions of Gallons per day	0.8	1.2[a]	1.8[a]	1.7	6.5	3.4	0.5
	Total Acre Feet per year	946	1400[a]	2000[a]	1859	7318	3796	614
1961-62	Average rate of flow in Millions of Gallons per day	0.8	1.3[a]	2.1[a]	1.7	6.8	3.1	0.6
	Total Acre Feet per year	918	1500[a]	2350[a]	1948	7652	3448	628

a. estimated.

TABLE B-6

QUANTITIES OF WASTE WATER

LAHONTAN REGION (NO. 6)

Year		Susanville Consolidated Sanitary District (1)	South Tahoe Public Utilities District (2)	City of Bishop (3)	U. S. Naval Ordnance Test Station China Lake (4)	Edwards Air Force Base (5)	County Sanitation Districts of Los Angeles County Lancaster (6)	County Sanitation Districts of Los Angeles County Palmdale (7)
1955-56	Average rate of flow in Millions of Gallons per day	0.3[a]		1.1	1.4	1.7	1.2	0.2
	Total Acre Feet per year	370[a]		1,200	1,590	1,850	1,370	260
1956-57	Average rate of flow in Millions of Gallons per day	0.3[a]		1.2	1.3	1.7	1.6	0.3
	Total Acre Feet per year	360[a]		1,370	1,460	1,920	1,750	390
1957-58	Average rate of flow in Millions of Gallons per day	0.3[a]	0.2	1.2	1.4	0.8	2.0	0.5
	Total Acre Feet per year	340[a]	250	1,350	1,530	910	2,260	540
1958-59	Average rate of flow in Millions of Gallons per day	0.4[a]	0.3	1.3	1.4	0.7	2.6	0.6
	Total Acre Feet per year	400[a]	290	1,410	1,620	830	2,960	650
1959-60	Average rate of flow in Millions of Gallons per day	0.4[a]	1.04[a]	1.1	1.3	0.7	2.2	0.6
	Total Acre Feet per year	430[a]	1,150[a]	1,280	1,450	800	2,500	650
1960-61	Average rate of flow in Millions of Gallons per day	0.4[a]	1.04[a]	1.1	1.2	0.9	2.2	0.6
	Total Acre Feet per year	460[a]	1,150[a]	1,190	1,380	1,000	2,470	640
1961-62	Average rate of flow in Millions of Gallons per day	0.4	0.97[a]	1.0	1.3	1.0	2.7	0.7
	Total Acre Feet per year	490	1,080[a]	1,130	1,510	1,070	2,980	740

Year		Victorville Sanitary District (8)	City of Barstow (9)	U. S. Marine Corps Supply Center Nebo Plant (10)
1955-56	Average rate of flow in Millions of Gallons per day	0.6[a]	0.8[a]	
	Total Acre Feet per year	700[a]	900[a]	
1956-57	Average rate of flow in Millions of Gallons per day	0.7[a]	0.8[a]	
	Total Acre Feet per year	740[a]	900[a]	
1957-58	Average rate of flow in Millions of Gallons per day	0.7[a]	0.9[a]	
	Total Acre Feet per year	740[a]	1,010[a]	
1958-59	Average rate of flow in Millions of Gallons per day	0.7[a]	0.9[a]	
	Total Acre Feet per year	740[a]	1,010[a]	
1959-60	Average rate of flow in Millions of Gallons per day	1.0	0.6[a]	1.0
	Total Acre Feet per year	1,200	700[a]	1,160
1960-61	Average rate of flow in Millions of Gallons per day	1.0	0.8[a]	0.6
	Total Acre Feet per year	1,090	900[a]	700
1961-62	Average rate of flow in Millions of Gallons per day	1.0	1.3[a]	0.5
	Total Acre Feet per year	1,110	1,400[a]	610

a Estimated.

TABLE B-7

QUANTITIES OF WASTE WATER

COLORADO RIVER BASIN REGION (NO. 7)

Year		City of Banning (1)	Coachella Sanitary District (2)	Indio Sanitary District (3)	City of Palm Springs (4)	U.S. Marine Corps Training Center, Twentynine Palms (5)	City of Brawley (6)	City of El Centro (7)
1955-56	Average rate of flow in Millions of Gallons per day			1.2[a]	0.6	1.2[a]	1.7[a]	1.4[a]
	Total Acre Feet per year			1,370[a]	710	1,320[a]	1,840[a]	1,570[a]
1956-57	Average rate of flow in Millions of Gallons per day			1.5[a]	0.6	1.4[a]	1.7[a]	1.4[a]
	Total Acre Feet per year			1,730[a]	710	1,560[a]	1,840[a]	1,570[a]
1957-58	Average rate of flow in Millions of Gallons per day	0.9	0.5[a]	1.5[a]	0.7	1.2[a]	1.7[a]	1.4[a]
	Total Acre Feet per year	1,000	580[a]	1,730[a]	760	1,290[a]	1,930[a]	1,570[a]
1958-59	Average rate of flow in Millions of Gallons per day	0.9	0.6[a]	1.5[a]	0.8	1.2[a]	1.8[a]	1.4[a]
	Total Acre Feet per year	1,000	720[a]	1,730[a]	870	1,290[a]	2,020[a]	1,570[a]
1959-60	Average rate of flow in Millions of Gallons per day	0.9[a]	0.5[a]	1.5[a]	0.9[a]	1.1[a]	1.8[a]	2.0[a]
	Total Acre Feet per year	1,000[a]	550[a]	1,730[a]	1,040[a]	1,230[a]	2,060[a]	2,270[a]
1960-61	Average rate of flow in Millions of Gallons per day	1.0[a]	0.5[a]	1.7	0.9[a]	0.8[a]	1.8[a]	2.3
	Total Acre Feet per year	1,100[a]	600[a]	1,890	1,030[a]	960[a]	2,060[a]	2,590
1961-62	Average rate of flow in Millions of Gallons per day	0.9[a]	0.5[a]	1.8	1.4	1.2[a]	1.8[a]	2.2
	Total Acre Feet per year	800[a]	600[a]	2,020	1,540	1,340[a]	2,060[a]	2,420

Year		City of Holtville (8)	City of Needles (9)	City of Blythe (10)
1955-56	Average rate of flow in Millions of Gallons per day	0.9[a]	0.4[a]	0.4[a]
	Total Acre Feet per year	980[a]	460[a]	480[a]
1956-57	Average rate of flow in Millions of Gallons per day	0.9[a]	0.4[a]	0.4[a]
	Total Acre Feet per year	980[a]	460[a]	480[a]
1957-58	Average rate of flow in Millions of Gallons per day	0.9[a]	0.7[a]	0.5[a]
	Total Acre Feet per year	980[a]	810[a]	640[a]
1958-59	Average rate of flow in Millions of Gallons per day	0.9[a]	0.8[a]	0.6[a]
	Total Acre Feet per year	980[a]	850[a]	710[a]
1959-60	Average rate of flow in Millions of Gallons per day	0.9[a]	0.6[a]	0.5[a]
	Total Acre Feet per year	1,000[a]	680[a]	540[a]
1960-61	Average rate of flow in Millions of Gallons per day	0.9[a]	0.6[a]	0.4[a]
	Total Acre Feet per year	1,000[a]	700[a]	450[a]
1961-62	Average rate of flow in Millions of Gallons per day	0.9[a]	0.4[a]	0.7
	Total Acre Feet per year	1,000[a]	420[a]	780

a. Estimated

TABLE B-8

QUANTITIES OF WASTE WATER

SANTA ANA REGION (NO. 8)

Year		City of Chino Plant No. 1 (1)	City of Chino Plant No. 2 (2)	City of Colton (3)	City of Corona (4)	U.S. Marine Corps Air Station El Toro (5)	City of Fontana (6)	Kaiser Steel Corporation Fontana (7)
1955-56	Average rate of flow in Millions of Gallons per day			1.6[a]	0.7	0.7[a]		
	Total Acre Feet per year			1,800[a]	740	850[a]		
1956-57	Average rate of flow in Millions of Gallons per day			1.7[a]	0.7	0.9[a]		
	Total Acre Feet per year			1,900[a]	790	1,000[a]		
1957-58	Average rate of flow in Millions of Gallons per day			1.8[a]	0.7	0.8	0.3[a]	
	Total Acre Feet per year			2,040[a]	830	930	330[a]	
1958-59	Average rate of flow in Millions of Gallons per day	0.8[a]		2.1	0.8	0.7	0.7	
	Total Acre Feet per year	840[a]		2,310	930	830	780	
1959-60	Average rate of flow in Millions of Gallons per day	0.8[a]		2.2	0.9	0.6	0.8	0.6
	Total Acre Feet per year	900[a]		2,500	1,010	710	910	640
1960-61	Average rate of flow in Millions of Gallons per day	0.8[a]	0.5[a]	2.0	0.9	0.5	1.0	0.8
	Total Acre Feet per year	920[a]	80[a]	2,180	1,060	600	1,170	940
1961-62	Average rate of flow in Millions of Gallons per day	0.5	0.9	1.5	1.0	0.8	1.1	0.7
	Total Acre Feet per year	190	1,010	1,720	1,110	910	1,290	750

Year		March Air Force Base Main Plant (8)	March Air Force Base West Plant (9)	County Sanitation Districts of Orange County Plant No. 1 (10)	County Sanitation Districts of Orange County Plant No. 2 (11)	Cities of Ontario-Upland (12)	City of Redlands (13)	City of Rialto (14)
1955-56	Average rate of flow in Millions of Gallons per day	0.8		Combined 27.3		3.8	1.4[a]	
	Total Acre Feet per year	900		30,710		4,260	1,610[a]	
1956-57	Average rate of flow in Millions of Gallons per day	0.7		34.1		4.8	1.6	0.5
	Total Acre Feet per year	810		38,180		5,420	1,790	380
1957-58	Average rate of flow in Millions of Gallons per day	0.5	0.2[a]	14.9	25.5	4.5	1.8	0.7
	Total Acre Feet per year	540	230[a]	16,660	28,570	5,040	1,960	750
1958-59	Average rate of flow in Millions of Gallons per day	0.5	0.2[a]	23.3	24.7	5.2	1.9	0.8
	Total Acre Feet per year	530	220[a]	26,150	27,700	5,790	2,080	840
1959-60	Average rate of flow in Millions of Gallons per day	0.5	0.2[a]	28.3	25.4	5.6	2.0	0.9
	Total Acre Feet per year	540	220[a]	31,780	28,480	6,320	2,210	960
1960-61	Average rate of flow in Millions of Gallons per day	0.4	0.2[a]	25.3	31.6	7.2[a]	2.1	0.9
	Total Acre Feet per year	480	230[a]	28,330	35,340	8,000[a]	2,390	980
1961-62	Average rate of flow in Millions of Gallons per day	0.4	0.2[a]	27.3	46.1	6.0	2.3	1.0
	Total Acre Feet per year	480	230[a]	30,610	51,650	6,740	2,580	1,110

a. Estimated

TABLE B-8 (continued,

QUANTITIES OF WASTE WATER

SANTA ANA REGION (NO. 8)

Year		City of Riverside Plant No. 1 (15)	City of Riverside Plant No. 2 (16)	City of San Bernardino Plant No. 1 (17)	City of San Bernardino Plant No. 2 (18)	City of Seal Beach (19)	Talbert Water District (20)
1955-56	Average rate of flow in Millions of Gallons per day	5.8		8.5			
	Total Acre Feet per year	6,560		9,560			
1956-57	Average rate of flow in Millions of Gallons per day	6.4		8.6			
	Total Acre Feet per year	7,160		9,620			
1957-58	Average rate of flow in Millions of Gallons per day	7.0[a]	0.7[a]	8.8		0.3[a]	1.5
	Total Acre Feet per year	7,870[a]	780[a]	9,810		380[a]	1,720
1958-59	Average rate of flow in Millions of Gallons per day	7.3[a]	0.9[a]	9.1		0.4[a]	2.2
	Total Acre Feet per year	8,170[a]	1,000[a]	10,180		470[a]	2,440
1959-60	Average rate of flow in Millions of Gallons per day	7.4[a]	1.5[a]	6.2	3.6	0.6	2.0
	Total Acre Feet per year	8,300[a]	1,680[a]	6,980	3,950	650	2,260
1960-61	Average rate of flow in Millions of Gallons per day	7.9	1.5[a]	6.8	4.7	0.7	2.6
	Total Acre Feet per year	8,800	1,680[a]	7,570	5,300	780	2,870
1961-62	Average rate of flow in Millions of Gallons per day	8.7	2.0[a]	7.0	5.8	0.7	0.7
	Total Acre Feet per year	9,710	2,280[a]	7,790	6,550	820	740

Year							
1955-56	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1956-57	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1957-58	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1958-59	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1959-60	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1960-61	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						
1961-62	Average rate of flow in Millions of Gallons per day						
	Total Acre Feet per year						

a. Estimated

TABLE B-9

QUANTITIES OF WASTE WATER

SAN DIEGO REGION (NO. 9)

Year		City of Laguna Beach (1)	City of San Clemente (2)	Camp Joseph H. Pendleton Plant No. 1 (3)	Camp Joseph H. Pendleton Plant No. 2 (4)	Camp Joseph H. Pendleton Plant No. 3 (5)	City of Oceanside (6)	City of Carlsbad (7)
1955-56	Average rate of flow in Millions of Gallons per day	0.9	0.5	1.0	0.7	0.6	1.6	
	Total Acre Feet per year	1,030	550	1,160	740	700	1,800	
1956-57	Average rate of flow in Millions of Gallons per day	0.8	0.6	0.7	0.7	0.5	1.6	
	Total Acre Feet per year	910	620	740	820	620	1,780	
1957-58	Average rate of flow in Millions of Gallons per day	1.4[a]	0.6	0.8	0.7	0.5	1.8	
	Total Acre Feet per year	1,530[a]	660	890	740	580	2,050	
1958-59	Average rate of flow in Millions of Gallons per day	1.4[a]	0.7	0.6	0.7	0.4	1.8	
	Total Acre Feet per year	1,530[a]	840	730	739	470	2,050	
1959-60	Average rate of flow in Millions of Gallons per day	1.5	0.6	0.6	0.6	0.4	2.1	0.6[a]
	Total Acre Feet per year	1,690	660	710	690	410	2,370	670[a]
1960-61	Average rate of flow in Millions of Gallons per day	1.6	0.6	0.7	0.6	0.3	2.4	0.6[a]
	Total Acre Feet per year	1,820	720	750	700	340	2,700	670[a]
1961-62	Average rate of flow in Millions of Gallons per day	1.3	0.7	0.7	0.7	0.3	2.4	0.5[a]
	Total Acre Feet per year	1,440	810	750	740	340	2,700	520[a]

Year		Vista Sanitation District (8)	City of Escondido Plant No. 1 (9)	City of Escondido Plant No. 2 (10)	Santee County Water District (11)	City of El Cajon (12)	City of Coronado "B" Street (13)	City of Coronado "A" Street (14)
1955-56	Average rate of flow in Millions of Gallons per day		0.6			0.8		1.3[a]
	Total Acre Feet per year		710			880		1,410[a]
1956-57	Average rate of flow in Millions of Gallons per day		0.7			1.0		1.3[a]
	Total Acre Feet per year		760			1,170		1,410[a]
1957-58	Average rate of flow in Millions of Gallons per day		1.0			1.5	0.5[a]	1.3[a]
	Total Acre Feet per year		1,170			1,660	560[a]	1,460[a]
1958-59	Average rate of flow in Millions of Gallons per day	0.9	1.1			2.0	0.5[a]	1.3[a]
	Total Acre Feet per year	720	1,230			2,280	560[a]	1,460[a]
1959-60	Average rate of flow in Millions of Gallons per day	1.0	1.1		0.5	2.1	0.5[a]	1.3[a]
	Total Acre Feet per year	1,150	1,270		510	2,350	560[a]	1,460[a]
1960-61	Average rate of flow in Millions of Gallons per day	1.0	0.6	0.6	0.6	2.1	0.5[a]	1.3[a]
	Total Acre Feet per year	1,100	650	620	630	2,300	560[a]	1,460[a]
1961-62	Average rate of flow in Millions of Gallons per day	1.2	0.7	0.7	0.8	2.2[a]	0.4[a]	0.9[a]
	Total Acre Feet per year	1,300	800	760	950	2,430[a]	430[a]	960[a]

a Estimated

TABLE B-9 (continued)

QUANTITIES OF WASTE WATER

SAN DIEGO REGION (NO. 9)

Year		City of San Diego (15)	Spring Valley Sanitation District (16)	City of Chula Vista "G" Street Plant (17)	City of Chula Vista "J" Street Plant (18)	Palm City Sanitation District (19)	City of Imperial Beach (20)	International Boundary & Water Commission (21)
1955-56	Average rate of flow in Millions of Gallons per day	39.9		0.7[a]	1.6			3.5
	Total Acre Feet per year	44,780		750[a]	1,170			3,910
1956-57	Average rate of flow in Millions of Gallons per day	42.5		0.7[a]	1.8			3.7
	Total Acre Feet per year	47,650		750[a]	1,920			4,170
1957-58	Average rate of flow in Millions of Gallons per day	44.6		0.6[a]	1.7			4.4
	Total Acre Feet per year	50,000		670[a]	1,860			4,900
1958-59	Average rate of flow in Millions of Gallons per day	45.2		0.6[a]	1.9	0.5	0.5[a]	4.4
	Total Acre Feet per year	50,600		670[a]	2,130	520	560[a]	4,980
1959-60	Average rate of flow in Millions of Gallons per day	47.9	1.3	0.6[a]	2.2	0.6[a]	0.8[a]	4.4
	Total Acre Feet per year	53,680	1,410	670[a]	2,410	680[a]	900[a]	4,920
1960-61	Average rate of flow in Millions of Gallons per day	47.8	1.2	0.5[a]	2.4	0.8	0.9[a]	3.8
	Total Acre Feet per year	53,580	1,380	520[a]	2,640	840	950[a]	4,210
1961-62	Average rate of flow in Millions of Gallons per day	48.8	1.6	0.3[a]	2.8	0.8	0.9[a]	1.9
	Total Acre Feet per year	54,650	1,750	310[a]	3,130	890	1,000[a]	2,150

Year								
1955-56	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1956-57	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1957-58	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1958-59	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1959-60	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1960-61	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							
1961-62	Average rate of flow in Millions of Gallons per day							
	Total Acre Feet per year							

a- Estimated.

APPENDIX C

MINERAL ANALYSES OF WASTE WATERS

APPENDIX C

MINERAL ANALYSES OF WASTE WATERS

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TABLE C-1

MINERAL ANALYSES OF WASTE WATER

NORTH COASTAL REGION (NO. 1)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
1	City of Arcata	5-13-59	968	7.5	31 / 1.55	13 / 1.11	104 / 4.52	1.2 / 0.03	41 / 2.27	0 / 0.00	372 / 6.10	39 / 0.81	87 / 2.45	1.3 / 0.02	33 / 1.04	1.3 / 0.07	0.37	36	571[a]	48	133	0	
		6-14-61	895	7.7	16 / 0.80	22 / 1.80	118 / 5.13	10 / 0.26	5.4 / 0.30	0 / 0.00	170 / 2.79	31 / 0.64	162 / 4.57	1.0 / 0.02	13 / 0.41	0.3 / 0.02	0.3	20	465[a]	62	130	0	
2	City of Eureka (Murray Street Plant)	5-13-59	965	7.2	19 / 0.95	15 / 1.23	111 / 4.83	1.1 / 0.03	35 / 1.94	0 / 0.00	207 / 3.39	46 / 0.96	156 / 4.40	1.7 / 0.03	25 / 0.79	1.1 / 0.06	0.33	21	533[a]	54	109	0	
		6-13-61	1,270	7.2	14 / 0.70	24 / 2.02	158 / 6.87	14 / 0.36	31 / 1.72	0 / 0.00	226 / 3.70	52 / 1.08	239 / 6.74	0.1 / 0.00	24 / 0.76	0.2 / 0.01	0.4	13	626[a]	59	136	0	
3	City of Willits	5-14-59	305	8.5	14 / 0.70	9.2 / 0.76	35 / 1.52	6.5 / 0.17	1.30 / 0.07	4.0 / 0.13	110 / 1.80	14 / 0.29	23 / 0.65	6.2 / 0.10	8.0 / 0.03	0.5 / 0.03	0.26	21	197[a]	47	73	0	
		5-3-61	275	7.3	13 / 0.65	12 / 0.95	21 / 0.91	4.2 / 0.11	2.2 / 0.12	0 / 0.00	108 / 1.77	16 / 0.33	14 / 0.39	9.7 / 0.16	18 / 0.57	0.1 / 0.00	0.2	14	179	33	80	0	
4	City of Ukiah	5-14-59	657	7.4	24 / 1.20	20 / 1.62	56 / 2.44	2.3 / 0.06	19 / 1.05	0 / 0.00	224 / 3.67	29 / 0.60	48 / 1.35	42 / 0.68	24 / 0.76	0.8 / 0.04	0.35	29	404	38	141	0	
		5-3-61	467	7.9	24 / 1.20	16 / 1.32	35 / 1.52	6.0 / 0.15	11 / 0.61	0 / 0.00	187 / 3.06	25 / 0.52	24 / 0.68	35 / 0.56	17 / 0.54	0.3 / 0.02	0.2	18	276	32	124	0	
5	Mendocino State Hospital	6-7-61	517	7.4	45 / 2.25	11 / 0.90	37 / 1.61	5.4 / 0.14	3.0 / 0.17	0 / 0.00	204 / 3.34	17 / 0.35	26 / 0.73	26 / 0.42	6.5 / 0.21	0.6 / 0.03	0.4	23	291	32	157	0	
6	City of Santa Rosa	8-14&15-57	1,050	7.1	24 / 1.20	33 / 2.72	131 / 5.70	17 / 0.43	—	0 / 0.00	300 / 4.92	41 / 0.85	145 / 4.09	3.5 / 0.56	29 / 0.92	6.4 / 0.34	0.65	79	660	57	196	0	
		12-22-60	790	7.8	22 / 1.10	29 / 2.38	66 / 2.87	10 / 0.26	23 / 1.27	0 / 0.00	319 / 5.23	30 / 0.62	66 / 1.86	0.3 / 0.00	26 / 0.82	0.4 / 0.02	0.7	29	410	36	173	0	

a --Summation

TABLE C-2

MINERAL ANALYSES OF WASTE WATER

SAN FRANCISCO BAY REGION (NO. 2)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N.C. (ppm)	Remarks
1	Sausalito-Marin City Sanitary District	9-7-56	6,700	7.6	54 / 2.69	155 / 12.71	1,090 / 47.42	50 / 1.28	--	0 / 0.00	269 / 4.41	269 / 5.60	1,920 / 54.14	1.0 / 0.02	--	--	0.51	21	3,690	74	770	549	
		6-27-61	4,320	7.6	46 / 2.30	94 / 7.73	645 / 28.04	35 / 0.90	31 / 1.72	0 / 0.00	279 / 4.57	128 / 2.66	1,160 / 32.71	0.9 / 0.01	27 / 0.85	0.7 / 0.04	0.6	17	2,260	69	504	276	
2	City of Mill Valley	8-13-56	1,230	7.1	21 / 1.05	25 / 2.07	141 / 6.13	13 / 0.33	45 / 2.49	0 / 0.00	268 / 4.39	41 / 0.85	220 / 6.20	1.2 / 0.02	--	--	0.41	19	659	64	156	0	
		8-13-57	2,060	7.6	19 / 0.95	47 / 3.90	270 / 11.74	20 / 0.51	37 / 2.05	0 / 0.00	279 / 4.57	78 / 1.62	488 / 13.76	0.8 / 0.01	4.8 / 0.15	3.8 / 0.20	0.49	23	1,120	61	242	13	
		12-19-60	1,990	7.4	33 / 1.65	49 / 4.03	254 / 11.04	19 / 0.49	19 / 1.05	0 / 0.00	185 / 3.03	87 / 1.81	468 / 13.20	27 / 0.44	26 / 0.82	0.2 / 0.01	0.8	15	1,040	60	286	134	
3	Marin County Sanitary Districts Number 1 and 2	9-14-56	4,240	6.8	52 / 2.59	89 / 7.31	649 / 28.23	35 / 0.90	--	0 / 0.00	239 / 3.92	84 / 1.75	1,160 / 32.71	7.8 / 0.13	--	--	0.48	21	2,220	72	495	299	
		8-14-57	3,820	6.8	42 / 2.10	84 / 6.94	589 / 25.62	33 / 0.84	--	0 / 0.00	78 / 1.28	162 / 3.37	1,080 / 30.46	58 / 0.94	28 / 0.88	3.8 / 0.20	0.45	22	2,110	72	452	388	
		12-20-60	2,130	7.4	39 / 1.95	53 / 4.36	258 / 11.22	16 / 0.41	28 / 1.55	0 / 0.00	260 / 4.26	80 / 1.66	482 / 13.59	0.7 / 0.01	25 / 0.77	0.2 / 0.01	0.4	16	1,070	58	316	103	
4	San Rafael Sanitation District	9-14-56	12,800	6.6	114 / 5.69	288 / 23.66	2,230 / 97.00	92 / 2.35	41 / 2.27	0 / 0.00	314 / 5.15	562 / 11.70	4,090 / 115.34	2.8 / 0.05	--	--	1.4	21	7,600	75	1,470	1,210	
		9-3-58	4,220	--	--	--	--	--	--	0 / 0.00	--	--	--	--	--	--	--	--	--	--	--	--	
		12-21-60	2,690	7.3	37 / 1.85	63 / 5.18	369 / 16.04	22 / 0.56	31 / 1.72	0 / 0.00	299 / 4.90	128 / 2.66	625 / 17.62	0.2 / 0.00	25 / 0.77	3.1 / 0.16	0.5	20	1,410	63	354	109	
5	Las Gallinas Valley Sanitary District	6-27-61	930	7.8	16 / 0.80	28 / 2.30	98 / 4.26	14 / 0.36	29 / 1.61	0 / 0.00	296 / 4.85	40 / 0.83	102 / 2.88	0.9 / 0.01	--	1.0 / 0.05	0.4	21	467	46	154	0	
6	Marin County Sanitary District No. 6	12-20-60	906	7.7	25 / 1.25	34 / 2.80	74 / 3.22	13 / 0.33	26 / 1.44	0 / 0.00	305 / 5.00	73 / 1.52	85 / 2.40	0.8 / 0.01	32 / 1.01	0.2 / 0.01	0.5	14	470	36	204	0	
7	City of Petaluma	9-31-56	1,140	7.1	30 / 1.50	31 / 2.56	146 / 6.35	15 / 0.38	--	0 / 0.00	162 / 2.66	56 / 1.17	176 / 4.96	108 / 1.74	--	--	0.37	51	693	59	203	70	
		8-12&13-57	1,360	7.2	16 / 0.80	41 / 3.34	182 / 7.92	22 / 0.56	--	0 / 0.00	162 / 2.66	76 / 1.58	232 / 6.54	115 / 1.85	4.8 / 0.15	7.2 / 0.38	0.50	53	825	63	207	74	
		6-27-61	3,450	7.6	89 / 4.44	83 / 6.83	464 / 20.17	28 / 0.72	0 / 0.0	0 / 0.00	158 / 2.59	128 / 2.66	836 / 23.58	119 / 1.92	51 / 1.61	0.4 / 0.02	0.9	42	1828	63	565	435	
8	Sonoma Valley Sanitary District	12-23-60	698	7.4	16 / 0.80	12 / 0.99	60 / 2.61	18 / 0.46	36 / 2.00	0 / 0.00	287 / 4.70	25 / 0.52	44 / 1.24	1.1 / 0.02	28 / 0.88	1.6 / 0.08	0.5	76	395	38	88	0	
9	Napa County Sanitation District	8-26&27-57	1,020	7.3	21 / 1.05	29 / 2.37	133 / 5.79	15 / 0.38	--	0 / 0.00	231 / 3.79	79 / 1.64	148 / 4.17	5.4 / 0.09	0.7 / 0.02	1.8 / 0.09	0.29	38	584	60	171	0	
		12-22-60	1,100	7.5	28 / 1.40	27 / 2.22	118 / 5.13	12 / 0.31	22 / 1.22	0 / 0.00	239 / 3.92	81 / 1.69	140 / 3.95	23 / 0.37	30 / 0.95	0.3 / 0.02	0.7	28	575	50	180	0	
10	Travis Air Force Base	3-21-61	991	8.4	41 / 2.05	27 / 2.22	114 / 4.96	13 / 0.33	14 / 0.78	2 / 0.07	206 / 3.38	168 / 3.50	113 / 3.19	2.9 / 0.05	24 / 0.76	0.6	1.6	22	667	48	212	39	

TABLE 3-2 (continued)

MINERAL ANALYSES OF WASTE WATER

SAN FRANCISCO BAY REGION (NO. 2)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	N.C. (ppm)	Remarks
11	Cities of Fairfield and Suisun	5-19-59	2,080	7.4	77 / 3.84	5.3 / 4.35	353 / 15.36	13 / 0.33	31 / 1.72	0 / 0.00	380 / 6.23	125 / 2.60	575 / 60.22	1.9 / 0.03	38 / 1.20	1.2 / 0.06	1.4	38	1,490	60	410	98	
		12-22-60	3,700	7.6	72 / 3.59	83 / 6.83	522 / 22.70	25 / 0.64	35 / 1.94	0 / 0.00	389 / 6.38	165 / 3.44	933 / 26.31	0.3 / 0.00	39 / 1.23	0.4 / 0.02	2.2	26	2,020	64	521	202	
12	Mare Island Naval Shipyard	3-21-61	3,470	7.5	63 / 3.14	76 / 6.25	551 / 23.96	32 / 0.82	2.2 / 1.22	0 / 0.00	262 / 4.29	200 / 4.16	916 / 25.83	0.6 / 0.01	12 / 0.38	0.9 / 0.05	2.2	17	1,940	68	468	253	
13	Vallejo Sanitation and Flood Control	3-17-60	1,670	8.0	37 / 1.85	49 / 4.03	184 / 8.00	16 / 0.41	43 / 2.38	0 / 0.00	423 / 6.93	98 / 2.04	254 / 7.16	2.1 / 0.03	—	--	0.8	24	948	48	293	0	Treatment Plant Effluent
	North Outfall	9-17-56	2,410	7.1	51 / 2.54	51 / 4.18	308 / 13.40	18 / 0.46	37 / 2.05	0 / 0.00	383 / 6.28	130 / 2.71	502 / 14.16	1.6 / 0.03	--	--	0.92	30	1,320	65	336	22	Raw Sewage
	South Outfall	9-17-56	1,760	6.8	30 / 1.50	35 / 2.90	232 / 10.09	16 / 0.41	--	0 / 0.00	482 / 7.90	71 / 1.48	303 / 8.54	1.2 / 0.02	--	--	0.89	34	1,000	68	220	0	Raw Sewage
14	City of Benicia	6-12-61	1,710	7.4	44 / 2.20	46 / 3.78	182 / 7.91	15 / 0.38	15 / 0.83	0 / 0.00	414 / 6.78	127 / 2.68	268 / 7.56	0.4 / 0.01	55 / 1.77	0.5 / 0.03	1.2	15	903	52	299	0	
15	Ethyl Corporation	6-16-61	12,100	8.0	38 / 1.90	8.5 / 0.70	2,600 / 113.10	5.0 / 0.13	0.0 / 0.00	0 / 0.00	102 / 1.67	275 / 5.72	4,050 / 114.21	1.0 / 0.02	0.0 / 0.00	0.5 / 0.03	0.1	5.4	7,030	98	130	46	
16	Dow Chemical Company	9-19-56	1,980	9.4	6.4 / 0.32	5.4 / 0.44	396 / 17.23	14 / 0.36	--	62 / 2.07	40 / 0.66	72 / 1.50	482 / 13.59	1.4 / 0.02	—	—	0.13	13	1,070	94	38	--	
		9-26-57	5,790	8.0	59 / 2.94	95 / 7.82	962 / 41.85	22 / 0.56	—	0 / 0.00	78 / 1.28	236 / 4.91	1700 / 47.94	0.7 / 0.01	0.0 / 0.00	0.6 / 0.03	0.37	10	3,120	79	538	474	
		6-14-61	2,790	8.0	28 / 1.40	44 / 3.65	431 / 18.75	25 / 0.64	4.0 / 0.22	0 / 0.00	87 / 1.42	117 / 2.44	796 / 22.45	1.8 / 0.03	0.0 / 0.00	0.2 / 0.01	0.2	12	1,500	--	253	182	
17	U. S. Steel Corporation Outfall No. 1	9-19-56	862	6.4	19 / 0.95	18 / 1.51	120 / 5.22	4.8 / 0.12	--	0 / 0.00	105 / 1.72	56 / 1.17	180 / 5.08	1.4 / 0.02	--	--	0.13	22	473	67	123	37	
		5-20-59	1,440	3.1	25 / 1.25	23 / 1.89	128 / 5.57	5.4 / 0.14	1.3 / 0.07	0 / 0.00	0.0 / 0.00	152 / 3.18	248 / 6.99	1.4 / 0.02	0.0 / 0.00	0.2 / 0.01	0.30	14	602	55	157	157	
		6-19-61	2,110	6.4	30 / 1.50	44 / 3.65	295 / 12.83	12 / 0.31	1.3 / 0.07	0 / 0.00	13 / 0.21	155 / 3.23	545 / 15.37	0.1 / 0.00	0.0 / 0.00	0.2 / 0.01	3.0	11	1,100	70	258	247	ABS 0.2 ppm
	Outfall No. 2	9-19-56	741	6.0	22 / 1.10	16 / 1.32	86 / 3.74	4.2 / 0.11	--	0 / 0.00	28 / 0.46	96 / 2.00	143 / 4.03	4.9 / 0.01	—	--	3.7	12	398	60	121	98	
		5-20-59	[illegible]	7.4	23 / 1.15	23 / 1.89	156 / 6.79	5.7 / 0.14	4.0 / 0.00	0 / 0.00	63 / 1.03	86 / 1.79	260 / 7.33	1.1 / 0.02	0.0 / 0.00	0.2 / 0.01	0.16	19	605	68	15[illegible]	100	
		6-20-61	2,120	5.8	85 / 4.24	20 / 1.64	388 / 16.87	14 / 0.36	0.0 / 0.00	0 / 0.00	5 / 0.08	202 / 4.21	686 / 19.35	0.2 / 0.00	0.1 / 0.00	0.3 / 0.02	0.2	14	1,410	73	297	293	
	Outfall No. 3	9-19-56	1,160	5.6	17 / 0.85	16 / 1.29	98 / 4.26	2.8 / 0.07	--	0 / 0.00	--	254 / 5.29	133 / 3.75	1.4 / 0.02	--	--	0.12	13	547	66	107	107	
		5-20-59	1,770	2.8	17 / 0.85	23 / 1.87	112 / 4.87	4.8 / 0.12	0.20 / 0.01	0 / 0.00	--	273 / 5.68	202 / 5.70	1.7 / 0.03	0.0 / 0.00	0.1 / 0.00	0.20	15	654	44	136	136	
		6-28-61	2,950	3.4	31 / 1.55	52 / 4.26	385 / 16.75	14 / 0.36	0.2 / 0.01	0 / 0.00	--	272 / 5.66	702 / 19.80	0.1 / 0.00	0.1 / 0.00	0.2 / 0.01	0.2	12	1,470	73	291	291	

TABLE C-2 (continued)

MINERAL ANALYSES OF WASTE WATER

SAN FRANCISCO BAY REGION (NO. 2)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in ppm / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
18	Johns Manville Corporation	9-17-56	971	6.0	35 / 1.75	21 / 1.69	117 / 5.09	8.2 / 0.21	0.6 / 0.03	0 / 0.00	146 / 2.39	7.7 / 0.16	228 / 6.43	8.8 / 0.14	--	--	0.3	18	519	58	172	52	
		8-21-57	6,580	6.8	82 / 4.09	161 / 13.27	1110 / 48.28	50 / 1.28	--	0 / 0.00	178 / 2.92	269 / 5.60	2.00 / 56.40	0.9 / 0.01	2.0 / 0.00	0.4 / 0.02	0.97	11	3770	72	868	722	
		6-13-61	2,660	6.7	45 / 2.24	56 / 4.57	412 / 17.92	16 / 0.41	0.0 / 0.00	0 / 0.00	117 / 1.92	112 / 2.33	906 / 22.73	1.7 / 0.03	0.1 / 0.00	0.3 / 0.02	0.5	14	--	71	341	245	ABS 0.1 ppm
19	City of Pittsburg	9-18-56	2,030	7.2	53 / 2.64	45 / 3.72	247 / 10.74	13 / 0.33	44 / 2.44	0 / 0.00	340 / 5.57	144 / 3.00	385 / 10.86	0.7 / 0.01	--	--	0.59	27	1080	61	318	39	
		8-20-57	1,900	7.3	49 / 2.45	36 / 2.98	241 / 10.48	16 / 0.41	35 / 1.94	0 / 0.00	318 / 5.21	132 / 2.75	349 / 9.84	0.9 / 0.01	41 / 1.20	0.2 / 0.17	0.71	29	1010	57	271	10	
		6-13-61	1,920	7.4	52 / 2.59	37 / 3.08	236 / 10.27	12 / 0.31	42 / 2.33	0 / 0.00	379 / 6.21	129 / 2.68	350 / 9.87	0.7 / 0.01	46 / 1.45	0.4 / 0.02	0.6	30	1050	55	284	0	ABS 2.7 ppm
20	Shell Chemical Company	5-20-59	3,720	5.9	38 / 1.90	58 / 4.77	442 / 19.23	14 / 0.36	135 / 7.48	0 / 0.00	4 / 0.06	568 / 11.82	753 / 21.23	1.8 / 0.03	0.1 / 0.00	0.1 / 0.00	0.02	44	2060	57	332	329	
		6-14-61	3,730	7.8	42 / 2.10	68 / 5.59	551 / 23.97	18 / 0.46	46 / 2.55	0 / 0.00	[illegible] / 1.57	307 / 6.39	1,2[illegible] / 38.35	6.1 / 0.10	4.2 / 0.01	0.3 / 0.02	0.5	14	2410	69	385	306	ABS 0.1 ppm
21	City of Concord	9-17-56	1,420	7.6	62 / 3.09	48 / 3.93	150 / 6.52	9.2 / 0.24	21 / 1.16	0 / 0.00	452 / 7.41	161 / 3.35	144 / 4.06	0.3 / 0.00	--	--	1.2	27	847	47	351	0	
		8-15&16-57	1,290	7.6	48 / 2.40	45 / 3.69	158 / 6.87	10 / 0.26	--	0 / 0.00	330 / 5.41	177 / 3.69	156 / 4.40	0.8 / 0.01	0.5 / 0.02	1.8 / 0.09	1.2	27	788	52	304	33	
		6-13-61	1,200	7.7	53 / 2.64	40 / 3.29	118 / 5.13	8.0 / 0.20	25 / 1.38	0 / 0.00	421 / 6.90	98 / 2.04	145 / 4.09	0.2 / 0.00	23 / 0.73	0.4 / 0.02	0.9	20	690	40	297	0	
22	Central Contra Costa Sanitation District	9-18-56	1,030	7.5	32 / 1.60	24 / 1.96	98 / 4.26	19 / 0.49	41 / 2.27	0 / 0.00	435 / 7.13	44 / 0.92	99 / 2.79	0.9 / 0.01	--	--	0.59	30	602	51	178	0	
		8-15&16-57	1,060	7.4	29 / 1.45	26 / 2.10	108 / 4.70	15 / 0.38	37 / 2.05	0 / 0.00	322 / 5.28	102 / 2.12	114 / 3.21	0.6 / 0.01	30 / 0.95	4.0 / 0.21	0.77	28	623	44	178	0	
		6-14-61	900	7.1	24 / 1.20	16 / 1.32	80 / 3.48	12 / 0.31	42 / 2.33	0 / 0.00	271 / 4.44	67 / 1.39	93 / 2.62	1.0 / 0.02	3.8 / 1.20	0.2 / 0.01	0.6	18	445	40	125	0	
23	City of Martinez	9-17-56	835	6.5	26 / 1.30	20 / 1.68	84 / 3.65	23 / 0.59	18 / 1.00	0 / 0.00	302 / 4.95	33 / 0.69	101 / 2.85	0.8 / 0.01	--	--	0.49	14	469	51	149	0	
		8-19-57	1,230	7.3	32 / 1.60	16 / 1.31	194 / 8.48	24 / 0.61	--	0 / 0.00	409 / 6.70	27 / 0.56	152 / 4.29	1.3 / 0.02	26 / 0.82	1.6 / 0.08	0.82	22	673	71	146	[illegible]	
		6-12-61	1,980	7.2	38 / 1.90	40 / 3.29	258 / 11.2[illegible]	15 / [illegible]	26 / 1.44	0 / 0.00	282 / 4.62	133 / [illegible]	402 / 1.53	1.4 / [illegible]	33 / 1.04	1.6 / [illegible]	1.6	24	1[illegible]60	62	2[illegible]0	29	
24	C & H Sugar Refinery Char Waste	9-19-56	478	6.3	84 / 4.17	9.4 / 0.77	5.8 / 0.25	4.4 / 0.11	--	0 / 0.00	128 / 2.10	114 / 2.35	61 / 0.17	4.0 / 0.06	--	--	0.79	13	303	5.0	248	143	
		5-21-59	1,300	6.6	223 / 11.13	53 / 4.37	16 / 0.70	35 / 0.90	1.0 / 0.06	0 / 0.00	906 / 14.85	42 / 0.87	1.0 / 0.03	2.2 / 0.04	0.1 / 0.03	2.4 / 0.13	0.87	28	850	4	762	19	
		6-16-61	34,900	7.0	224 / 11.18	627 / 51.56	5020 / 218.37	178 / 4.55	0 / 0.00	0 / 0.00	114 / 1.87	1300 / 27.07	9360 / 263.95	0.9 / 0.01	0.0 / 0.00	1.4 / 0.07	2.5	7.4	16,800	76	3140	3050	

TABLE C-2 (continued)

MINERAL ANALYSES OF WASTE WATER

SAN FRANCISCO BAY REGION (NO. 2)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
25	American Smelting and Refinery	6-27-61	40,200	2.3	300 / 14.97	809 / 66.53	8210 / 357.14	310 / 7.93	0.0 / 0.00	0 / 0.00	0.0 / 0.00	2380 / 49.55	13600 / 382.52	6.8 / 0.11	0.40 / 0.01	12 / 0.63	3.2	6.7	25,300	80	4,080	4,080	
26	San Pablo Sanitary District	9-12-56	1,020	7.3	19 / 0.95	19 / 1.53	106 / 4.61	15 / 0.38	--	0 / 0.00	312 / 5.11	55 / 1.15	118 / 3.33	0.6 / 0.01	--	--	0.66	25	569	62	124	0	
		8-13&14-57	1,180	7.4	19 / 0.95	22 / 1.81	129 / 5.61	16 / 0.41	57 / 3.16	0 / 0.00	304 / 4.98	77 / 1.60	167 / 4.71	0.4 / 0.01	43 / 1.36	3.6 / 0.19	0.70	22	664	47	138	0	
		4-17-61	1,030	7.4	23 / 1.15	16 / 1.32	112 / 4.87	13 / 0.33	38 / 2.11	0 / 0.00	270 / 4.42	73 / 152	82 / 2.31	1.8 / 0.03	44 / 1.39	0.3 / 0.02	0.6	15	470	63	124	0	
27	City of Richmond 10th Street Sewer	9-6-56	962	6.8	6.4 / 0.32	18 / 1.48	92 / 4.00	15 / 0.38	1.1 / 0.06	0 / 0.00	406 / 6.65	36 / 0.75	55 / 1.55	0.4 / 0.01	--	--	0.46	27	450	65	90	0	Raw Sewage
	Castro Street	9-6-56	29,600	3.4	45 / 2.25	821 / 67.52	5800 / 252.30	217 / 5.55	14 / 0.78	0 / 0.00	0 / 0.00	1510 / 31.44	10600 / 298.92	2.8 / 0.05	--	--	2.7	39	19,000	77	3490	3490	Raw Sewage
		10-28-59	7,990	6.4	79 / 3.94	174 / 14.31	1320 / 57.42	59 / 1.51	19 / 1.05	0 / 0.00	178 / 2.92	349 / 7.27	2450 / 69.09	23 / 0.84	19 / 0.60	--	0.8	22	4,580	73	915	769	Treatment plant effluent.
28	Stege Sanitary District	9-11-56	4,210	7.3	42 / 2.10	92 / 7.58	666 / 28.97	36 / 0.92	--	0 / 0.00	312 / 5.11	177 / 3.69	1140 / 32.15	1.4 / 0.02	--	--	0.68	23	2,350	73	484	288	
		1958	3,340	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	
		10-28-59	3,010	7.3	35 / 1.75	62 / 5.10	428 / 18.62	25 / 0.64	44 / 2.44	0 / 0.00	309 / 5.06	124 / 2.58	724 / 20.42	0.0 / 0.00	31 / 0.98	--	0.5	23	1,650	65	342	89	
29	East Bay Municipal Utility District	9-11-56 (a)	1,590	6.9	34 / 1.67	31 / 2.52	280 / 12.20	45 / 1.15	--	0 / 0.00	305 / 5.00	128 / 2.66	432 / 12.20	0.7 / 0.01	--	0.2 / 0.01	0.04	--	--	70	225	--	
		7-57 - 6-58	--	6.7	32 / 1.84	22 / 1.81	--	--	--	—	--	85.3 / 1.78	305 / 8.60	1.5 / 0.02	--	--	--	13.8	--	--	169	--	
		8-59	--	5.8	32.6 / 1.63	26.4 / 2.17	--	--	--	0 / 0.00	162 / 0.27	70 / 1.46	365 / 10.29	0.75 / 0.12	39.8 / 1.26	--	--	6.5	1,360	--	192		East Bay Municipal Utility District Analyses
30	City of San Leandro	9-11-56	1,110	6.9	42 / 2.10	21 / 1.74	122 / 5.31	16 / 0.41	31 / 1.76	0 / 0.00	404 / 6.62	29 / 0.60	134 / 3.78	0.5 / 0.01	24 / 0.76	--	0.76	27	591	56	192	0	Domestic
		9-11-56	1,150	5.2	39 / 1.95	20 / 1.61	163 / 7.09	34 / 0.87	15 / 0.81	0 / 0.00	318 / 5.21	1.9 / 0.04	185 / 5.22	1.6 / 0.03	--	--	1.1	29	632	62	178	0	Industrial
		8-8-57	954	7.7	22 / 1.10	20 / 1.62	107 / 4.65	17 / 0.43	7.8 / 0.43	0 / 0.00	242 / 5.61	41 / 0.85	110 / 3.10	0.8 / 0.01	--	1.9 / 0.10	0.81	24	520	56	136	0	Domestic
		8-8-57	943	6.9	28 / 1.40	9.1 / 0.75	175 / 7.61	17 / 0.43	--	0 / 0.00	438 / 7.18	25 / 0.52	89 / 2.51	1.9 / 0.03	--	1.0 / 0.05	1.3	27	590	75	108	0	Industrial
		9-22-24-59	921	6.9	41 / 2.05	16 / 1.32	121 / 6.26	13 / 0.33	5.6 / 0.31	0 / 0.00	268 / 4.39	45 / 0.94	148 / 4.17	1.6 / 0.02	5 / 0.16	--	1.1	22	551	56	170	0	Domestic and Industrial

TABLE C-2 (continued)

MINERAL ANALYSES OF WASTE WATER

SAN FRANCISCO BAY REGION (NO. 2)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
31	Ora Loma Sanitary District	9-4-56	1,040	7.4	29 / 1.45	34 / 2.81	100 / 4.35	13 / 0.33	23 / 1.27	0 / 0.00	377 / 6.18	75 / 1.56	81 / 2.28	0.8 / 0.01	31 / 0.98	--	0.41	27	546	49	213	0	
		8-7-57	919	7.4	37 / 1.85	20 / 1.63	88 / 3.83	13 / 0.33	23 / 1.27	0 / 0.00	301 / 4.93	71 / 1.48	68 / 1.92	1.2 / 0.02	32 / 1.01	3.6 / 0.19	0.56	21	471	43	174	0	
		9-22-24-59	978	7.0	28 / 1.40	31 / 2.55	84 / 3.65	13 / 0.33	36 / 2.00	0 / 0.00	377 / 6.18	68 / 1.42	72 / 2.03	0.5 / 0.01	33 / 1.04	--	0.6	18	569	37	198	0	
32	City of Hayward	9-4-56	1,240	6.5	52 / 2.59	22 / 1.77	146 / 6.35	58 / 1.48	0.3 / 0.02	0 / 0.00	431 / 7.06	2.9 / 0.06	160 / 4.51	1.2 / 0.02	--	--	0.66	32	687	52	218	0	
		8-9-57	1,320	7.3	58 / 2.89	17 / 1.42	203 / 8.83	36 / 0.92	--	0 / 0.00	517 / 8.47	1.3 / 0.03	186 / 5.25	0.7 / 0.01	0.40 / 0.01	0.4 / 0.02	0.83	23	781	63	215	0	
		9-22-24-59	1,130	7.0	47 / 2.35	18 / 1.48	143 / 6.22	46 / 1.18	1.5 / 0.08	0 / 0.00	324 / 5.31	39 / 0.81	178 / 5.02	0.5 / 0.01	6.9 / 0.22		0.3	21	659	55	190	0	
33	Union Sanitary District Newark Plant	8-7-57	2,280	7.2	72 / 3.59	72 / 5.91	269 / 11.70	20 / 0.51	--	0 / 0.00	392 / 6.42	1.2 / 2.12	440 / 12.41	0.6 / 0.01	--	2.0 / 0.11	0.77	27	1,200	54	475	154	
		5-22-61	1,620	7.7	47 / 2.35	39 / 3.21	179 / 7.79	16 / 0.41	40 / 2.22	0 / 0.00	521 / 8.54	73 / 1.52	225 / 6.34	1.2 / 0.02	41 / 1.30	0.3 / 0.02	1.0	26	864	49	279	0	
34	Union Sanitary District Irvington Plant	5-24-61	1,640	8.0	28 / 1.40	24 / 1.97	224 / 9.74	16 / 0.41	56 / 3.10	0 / 0.00	563 / 9.23	53 / 1.10	200 / 5.64	1.7 / 0.03	50 / 1.58	0.2 / 0.01	1.0	25	850	58	170	0	
35	Milpitas Sanitary District	4-28-60	901	7.4	9.1 / 0.45	20 / 1.64	109 / 4.74	25 / 0.64	27 / 1.50	0 / 0.00	313 / 5.13	97 / 2.02	48 / 1.35	--	32 / 1.01	--	1.0	14	--	--	104	0	
36	City of San Jose	8-28-56	1,860	6.4	61 / 3.04	27 / 2.24	238 / 10.35	95 / 2.43	18 / 1.00	0 / 0.00	564 / 9.24	1.9 / 0.04	310 / 8.74	1.6 / 0.03	--	--	0.87	18	1,07[illegible]	57	264	0	
		8-6-57	1,760	7.6	72 / 3.59	34 / 2.77	206 / 8.96	79 / 2.02	20 / 1.11	0 / 0.00	563 / 9.23	67 / 1.39	249 / 7.02	0.8 / 0.01	--	1.8 / 0.09	0.43	33	1,0[illegible]	49	318	[illegible]	
		5-22-61	2,300	7.5	57 / 2.84	31 / 2.55	295 / 12.83	150 / 3.84	28 / 1.55	0 / 0.00	471 / 7.72	495 / 10.30	180 / 5.08	3.0 / 0.05	34 / 1.07	0.5 / 0.03	0.8	24	1480	54	272	0	
37	City of Sunnyvale	8-28-56	4,060	7.2	110 / 5.49	131 / 10.75	550 / 23.92	14 / 0.36	1.7 / 0.09	0 / 0.00	318 / 5.21	223 / 4.64	1040 / 29.33	59 / 0.95	--	--	0.46	27	[illegible]	59	812	551	
		1957	1,970	--	--	--	--	--	--	--	--	--	375 / 10.58	--	--	--	--	--	--	--	--	--	
		5-22-61	1,930	7.8	57 / 2.84	50 / 4.11	216 / 9.40	18 / 0.46	26 / 1.44	0 / 0.00	423 / 6.93	78 / 1.62	368 / 10.38	1.3 / 0.02	33 / 1.04	0.4 / 0.02	0.9	29	1,030	51	350	3	
38	City of Mountain View	8-31-56	2,620	7.0	62 / 3.09	39 / 3.23	385 / 16.75	22 / 0.56	52 / 2.88	0 / 0.00	566 / 9.28	51 / 1.06	560 / 15.79	1.5 / 0.02	--	--	0.52	38	1,49[illegible]	71	316	0	
		8-8-57	2,180	7.5	68 / 3.39	37 / 3.03	281 / 12.22	19 / 0.49	42 / 2.33	0 / 0.00	435 / 7.13	73 / 1.52	422 / 11.90	0.9 / 0.01	--	3.6 / 0.19	0.64	33	1,15[illegible]	57	321	0	
		5-22-61	8,840	1.8	55 / 2.74	27 / 2.22	304 / 13.22	14 / 0.36	40 / 2.22	0 / 0.00	0.0 / 0.00	1400 / 29.15	487 / 13.73	1.9 / 0.03	37 / 1.17	2.4 / 0.12	0.4	26	2330	64	248	248	

TABLE [illegible] (Continued)

MINERAL ANALYSES OF WASTE WATER

SAN FRANCISCO BAY REGION (NO. 2)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in ppm / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
39	City of Palo Alto	8-30-56	[illegible],980	7.1	70 / 3.49	56 / 4.63	441 / 19.18	21 / 0.54	34 / 1.88	0 / 0.00	434 / 7.11	1.5 / 3.44	670 / 18.89	1.7 / 0.03	--	--	1.2	28	1,700	69	406	50	
		1957	1,920	--	--	--	--	--	--	0 / 0.00	--	--	365 / 10.29	--	--	--	--	--	--	--	--	--	
		5-23-61	1,520	7.6	23 / 1.90	28 / 2.30	202 / 8.79	12 / 0.31	26 / 1.44	0 / 0.00	246 / 4.07	98 / 2.04	246 / 6.94	1.4 / 0.02	30 / 0.95	[illegible] / 0.10	0.9	25	823	60	209	0	
40	Menlo Park Sanitary District	8-29-56	2,270	7.1	24 / 2.69	48 / 3.95	304 / 13.[illegible]	17 / 0.43	60 / 3.34	0 / 0.00	420 / 6.88	71 / 1.48	[illegible] / 15.09	1.4 / 0.02	33 / 1.04	--	[illegible]	20	1,300	65	332	0	
		3-5-57	2,360	7.6	18 / 1.90	55 / 4.56	308 / 13.40	18 / 0.46	24 / 1.61	0 / 0.00	413 / 6.13	105 / 2.19	526 / 14.83	0.3 / 0.00	--	2.0 / 0.11	0.58	22	1,260	61	323	66	
		5-25-61	2,360	7.7	24 / 1.70	41 / 3.37	278 / 12.09	14 / 0.33	42 / 2.33	0 / 0.00	281 / 4.60	42 / 0.87	456 / 12.86	1.4 / 0.02	34 / 1.07	0.3 / 0.02	0.4	13	1,020	[illegible]	45	45	
41	Redwood City	8-30-56	3,320	7.2	75 / 3.74	72 / 5.94	476 / 20.71	21 / 0.54	32 / 1.77	0 / 0.00	604 / 9.90	102 / 2.12	745 / 20.73	2.[illegible] / 0.04	--	--	0.50	20	[illegible],830	67	484	0	
		1957	2,380	--	--	--	--	--	--	0 / 0.00	--	--	480 / 13.54	--	--	--	--	--	--	--	--	--	
		3-31-60	[illegible],180	7.0	44 / 2.20	49 / 4.03	284 / 12.35	23 / 0.59	35 / 1.94	0 / 0.00	298 / 4.88	131 / 2.73	450 / 12.69	1.2 / 0.02	--	--	0.4	16	[illegible],180	58	313	69	
42	Cities of San Carlos - Belmont	9-4-56	962	7.1	13 / 0.65	22 / 1.77	93 / 4.05	14 / 0.36	33 / 1.83	0 / 0.00	358 / 5.87	20 / 0.42	98 / 2.76	0.7 / 0.01	--	--	0.59	24	471	59	121	0	
		8-6-57	905	7.4	10 / 0.50	20 / 1.63	93 / 4.05	17 / 0.43	43 / 2.38	0 / 0.00	268 / 4.39	72 / 1.50	94 / 2.65	0.8 / 0.01	--	2.4 / 0.13	0.67	22	507	45	106	0	
		5-22-61	857	7.4	15 / 0.75	13 / 1.07	87 / 3.78	14 / 0.36	35 / 1.94	0 / 0.00	243 / 3.98	52 / 1.08	90 / 2.54	1.1 / 0.02	31 / 0.98	0.9 / 0.05	0.[illegible]	13	400	48	92	0	
43	City of San Mateo	8-31-56	3,000	7.2	45 / 2.25	68 / 5.63	430 / 18.70	21 / 0.54	42 / 2.33	0 / 0.00	426 / 6.98	74 / 1.54	745 / 21.01	1.8 / 0.03	--	--	0.61	19	1,660	69	394	45	
		1958	3,570	--	--	--	--	--	--	—	--	--	--	--	--	--	--	--	--	--	--	--	
		2-28-61	2,340	7.2	41 / 2.05	53 / 4.36	307 / 13.40	17 / 0.43	42 / 2.33	0 / 0.00	268 / 4.39	112 / 2.33	538 / 15.17	0.5 / 0.01	30 / 0.95	1.2 / 0.06	0.7	14	1220	59	320	100	
44	City of Burlingame	8-30-56	1,210	7.0	21 / 1.05	21 / 1.75	142 / 6.18	16 / 0.41	45 / 2.49	0 / 0.00	308 / 5.05	40 / 0.82	215 / 6.06	1.4 / 0.02	--	--	0.46	18	662	66	140	0	
		8-6-57	754	7.8	8.8 / 0.44	22 / 1.80	78 / 3.39	13 / 0.33	31 / 1.72	0 / 0.00	275 / 4.51	31 / 0.65	94 / 2.65	0.9 / 0.01	--	2.4 / 0.13	0.59	20	437	44	112	0	
		4-26-60	2,360	7.2	21 / 1.05	48 / 3.95	332 / 14.44	22 / 0.56	48 / 2.66	0 / 0.00	338 / 3.90	93 / 1.94	556 / 15.68	1.1 / 0.21	28 / 0.88	--	.04	15	[illegible]	64	449	54	
45	City of Millbrae	8-29-56	800	6.8	22 / 1.10	6.6 / 0.54	70 / 3.04	16 / 0.41	52 / 2.88	0 / 0.00	344 / 5.64	26 / 0.54	60 / 1.69	1.4 / 0.02	--	--	0.61	22	446	60	82	0	
		8-5-57	881	7.0	23 / 1.15	8.6 / 0.71	90 / 3.92	15 / 0.38	42 / 2.33	0 / 0.00	335 / 5.49	19 / 0.40	75 / 2.12	0.9 / 0.01	--	3.2 / 0.17	1.2	24	425	46	93	0	
		4-26-60	922	7.1	11 / 0.55	20 / 1.64	68 / 2.96	15 / 0.38	58 / 3.21	0 / 0.00	268 / 4.39	49 / 1.02	89 / 2.51	49 / 0.79	38 / 1.20	--	0.1	19	509	30	109	0	

TABLE C-2 (continued)

MINERAL ANALYSES OF WASTE WATER

SAN FRANCISCO BAY REGION (NO. 2)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chlorids (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluorids (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N C (ppm)	Remarks
46	Cities of South San Francisco and San Bruno	8-29-56	1,760	7.2	61 / 3.04	20 / 1.68	212 / 9.62	16 / 0.41	36 / 2.00	0 / 0.00	372 / 6.11	111 / 2.31	300 / 8.45	1.2 / 0.02	--	--	0.61	24	965	65	236	0	
		8-8-57	2,360	7.6	57 / 2.84	18 / 1.46	360 / 15.66	20 / 0.51	48 / 2.66	0 / 0.00	466 / 7.64	90 / 1.87	462 / 13.0[illegible]	0.8 / 0.01	--	1.8 / 0.09	0.56	22	[illegible],270	69	215	0	
		2-24-61	2,270	7.4	62 / 3.09	25 / 2.06	300 / 13.05	16 / 0.41	50 / 2.77	0 / 0.00	274 / 4.49	225 / 4.68	416 / 11.7[illegible]	0.8 / 0.[illegible]1	1.2 / 0.04	0.9 / 0.05	0.8	28	1,[illegible]		[illegible]7		
47	City and County of San Francisco Southeast Plant	9-5-56	4,690	7.5	68 / 3.39	94 / 7.73	750 / 32.62	41 / 1.05	2[illegible] / 1.32	0 / 0.00	398 / 6.52	199 / 4.14	1270 / 35.81	1.2 / 0.02	--	--	0.2[illegible]	2[illegible]	2640	7[illegible]	556	230	
		9-3-58	1,645	--	--	--	--	--	--	--	--	--	653 / 18.41	--	--	--	--	--	--	--	--	--	
		3-8-61	4,300	7.5	56 / 2.79	84 / 6.91	759 / 33.02	38 / 0.97	27 / 1.50	0 / 0.00	278 / 4.56	209 / 4.35	1200 / 33.84	1.4 / 0.02	14 / 0.44	0.6 / 0.03	0.8	14	--	--	--	--	
48	North Point Plant	9-5-56	2,080	6.8	24 / 1.20	38 / 3.14	301 / 13.09	24 / 0.61	18 / 1.[illegible]	0 / 0.00	344 / 5.64	68 / 1.42	465 / 13.11	0.8 / 0.01	--	--	1.4	19	1110	73	217	0	
		9-3-58	3,630	--	--	--	--	--	--	--	--	--	498 / 14.[illegible]	--	--	--	--	--	--	--	--	--	
		3-8-61	1,320	7.5	18 / 0.90	23 / 1.89	212 / 9.22	15 / 0.38	15 / 0.83	0 / 0.00	143 / 2.34	68 / 1.42	307 / 8.66	0.8 / 0.01	14 / 0.44	1.2 / 0.06	1.6	14	731	70	41	24	
49	McQueen Plant (Golden Gate Park)	9-6-56	457	6.8	9.6 / 0.48	13 / 1.10	50 / 2.18	10 / 0.26	3.8 / 0.21	0 / 0.00	68 / 1.12	37 / 0.77	57 / 1.61	16 / 0.26	--	--	0.10	17	234	54	79	23	
		1959	--	--	--	--	--	--	--	--	--	--	37 / 1.04	--	--	--	--	--	--	--	--	--	
		4-5-61	388	7.8	15 / 0.75	2.1 / 0.17	48 / 1.65	8.2 / 0.21	11 / 0.61	0 / 0.00	84 / 1.38	19 / 0.40	34 / 0.96	18 / 0.29	19 / 0.60	0.8 / 0.04	0.3	90	185	49	46	0	
50	Richmond-Sunset Plant	9-6-56	738	6.7	6.4 / 0.32	15 / 1.26	55 / 2.39	14 / 0.36	37 / 2.05	0 / 0.00	260 / 4.26	18 / 0.37	69 / 1.95	0.5 / 0.01	--	--	2.44	17	323	55	7[illegible]	0	
		9-3-58	940	--	--	--	--	--	--	--	--	--	72 / .03	--	--	--	--	--	--	--	--	--	
		3-7-61	515	7.4	12 / 0.60	36 / 0.30	50 / 2.18	12 / 0.31	27 / 1.50	0 / 0.00	154 / 2.52	20 / 0.42	48 / 1.35	2.4 / 0.01	28 / 0.88	0.8 / 0.04	0.7	9.2	233	44	45	0	
51	North San Mateo County Sanitary District	9-12-56	1,020	7.0	18 / 0.90	23 / 1.90	85 / 3.74	15 / 0.38	65 / 3.60	0 / 0.00	379 / 6.21	42 / 0.90	9[illegible] / 2.99	0.8 / 0.01	--	--	0.58	42	570	54	14[illegible]	0	
		8-6-57	1,030	7.8	10 / 0.50	27 / 2.26	92 / 4.00	16 / 0.41	52 / 2.88	0 / 0.00	276 / 6.16	45 / 0.94	97 / 2.74	0.6 / 0.01	--	2.0 / 0.11	0.65	39	514	40	138	0	
		3-10-61	935	7.3	14 / 0.70	26 / 2.14	84 / 3.65	16 / 0.41	50 / 2.77	0 / 0.00	311 / 5.10	44 / 0.92	98 / 2.76	1.2 / 0.02	42 / 1.33	0.2 / 0.01	0.7	34	471	38	140	0	
52	City of Livermore	5-21-59	2,120	7.4	69 / 3.44	54 / 4.45	257 / 11.18	11 / 0.28	43 / 2.38	0 / 0.00	600 / 9.83	68 / 1.42	248 / 9.81	1.1 / 0.02	48 / 1.52	2.4 / 0.13	0.17	51	126[illegible]	51	395	0	
		11-17-60	1,850	7.6	47 / 2.35	58 / 4.77	228 / 9.92	13 / 0.33	Trace	0 / 0.00	465 / 7.62	69 / 1.44	220 / 9.02	71 / 1.15	43 / 1.36	--	1.8	41	1080	57	358	0	

TABLE C-3

MINERAL ANALYSES OF WASTE WATER

CENTRAL COASTAL REGION (NO. 3)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N C (ppm)	Remarks
1	City of Santa Cruz	9-6-56	2,010	7.6	55 / 2.74	32 / 2.62	276 / 12.01	28 / 0.72	33 / 1.83	0 / 0.00	370 / 6.06	83 / 1.73	420 / 11.84	1.2 / 0.02	--	--	0.61	33	1,140	66	268	0	
		8-1-57	1,230	7.5	57 / 2.84	16 / 1.33	143 / 6.22	18 / 0.46	19 / 1.05	0 / 0.00	312 / 5.11	73 / 1.52	196 / 5.53	1.6 / 0.02	21 / 0.66	6.0 / 0.32	0.96	34	719	52	208	0	
		4-29-59	1,150	6.7	78 / 3.89	10 / 0.83	113 / 4.92	14 / 0.36	26 / 1.44	0 / 0.00	256 / 4.20	144 / 3.00	142 / 4.00	0.8 / 0.01	7.6 / 0.24	1.0 / 0.05	0.54	26	689	43	236	26	
		8-12-59	1,010	6.7	52 / 2.59	9.6 / 0.79	113 / 4.91	16 / 0.41	25 / 1.39	0 / 0.00	260 / 4.26	48 / 1.00	129 / 3.64	1.2 / 0.02	18 / 0.57	--	0.88	38	579	47	169	0	
		5-26-60	1,170	7.3	53 / 2.64	16 / 1.32	124 / 5.39	12 / 0.31	32 / 1.77	0 / 0.00	350 / 5.74	62 / 1.29	140 / 3.95	12 / 0.19	33 / 1.04	--	1.2	36	693	47	196	0	
		9-21-60	935	--	--	--	100 / 4.35	--	--	0 / 0.00	--	--	136 / 3.84	--	--	--	0.7	--	642	--	--	--	
		5-26-61	1,640	7.0	--	--	198 / 8.61	14 / 0.36	--	0 / 0.00	--	--	281 / 7.92	--	--	0.6 / 0.03	1.0	--	946	--	248	--	
		12-6-61	1,590	7.6	79 / 3.94	17 / 1.40	195 / 8.48	18 / 0.46	26 / 1.44	0 / 0.00	298 / 4.88	142 / 2.96	264 / 7.44	1.5 / 0.02	23 / 0.73	0.5 / 0.03	0.5	25	888	54	268	24	
2	City of Watsonville	6-20-56	1,110	7.1	64 / 3.19	29 / 2.37	113 / 4.92	17 / 0.43	0.1 / 0.08	0 / 0.00	345 / 5.65	40 / 0.83	170 / 4.79	1.2 / 0.02	--	--	0.17	37	641	45	278	0	
		4-29-59	1,390	6.5	62 / 3.09	47 / 3.90	139 / 6.05	9.5 / 0.24	23 / 1.27	0 / 0.00	299 / 4.90	201 / 4.18	156 / 4.40	0.5 / 0.01	25 / 0.79	1.5 / 0.08	0.44	36	848	42	350	105	
		8-11-59	1,180	6.9	55 / 2.74	38 / 3.13	100 / 4.35	11 / 0.28	27 / 1.50	0 / 0.00	340 / 5.57	77 / 1.60	124 / 3.50	1.6 / 0.02	18 / 0.57	--	0.55	36	655	36	296	17	
		5-24-60	1,120	6.8	62 / 3.09	39 / 3.21	104 / 4.52	11 / 0.28	12 / 0.67	0 / 0.00	397 / 6.51	72 / 1.50	122 / 3.44	17 / 0.27	19 / 0.60	--	0.30	38	691	38	316	0	
		9-21-60	1,500	--	--	--	160 / 6.96	215 / 5.50	--	0 / 0.00	--	--	--	--	--	--	0.4	--	864	--	--	--	
		5-26-61	1,390	7.5	61 / 3.04	48 / 3.95	122 / 5.30	13 / 0.33	32 / 1.77	0 / 0.00	460 / 7.54	56 / 1.17	150 / 4.23	1.9 / 0.03	28 / 0.88	0.3 / 0.02	0.5	36	715	37	350	0	
		9-21-61	1,420	7.1	85 / 4.24	29 / 2.38	148 / 6.44	15 / 0.38	27 / 1.50	0 / 0.00	429 / 7.03	81 / 1.69	205 / 5.78	0.5 / 0.01	39 / 1.23	0.3 / 0.02	0.3	40	815	43	331	0	
3	Fort Ord (Main Garrison)	5-26-59	1,230	7.5	45 / 2.24	24 / 2.00	100 / 4.35	16 / 0.41	66 / 3.66	0 / 0.00	445 / 7.29	104 / 2.16	88 / 2.48	1.1 / 0.02	32 / 1.01	1.8 / 0.09	0.40	57	754	34	212	0	
		8-12-59	1,260	6.7	45 / 2.24	26 / 2.14	105 / 4.57	16 / 0.41	63 / 3.49	0 / 0.00	425 / 6.97	65 / 1.35	118 / 3.33	2.2 / 0.04	32 / 1.01	--	0.47	47	729	36	220	0	
		9-20-60	1,250	--	--	--	100 / 4.35	104 / 2.66	--	0 / 0.00	--	--	--	--	--	--	0.2	--	573	--	--	--	
		5-23-61	1,160	7.8	--	--	116 / 5.04	16 / 0.41	--	0 / 0.00	--	--	103 / 2.90	--	--	2.0 / 0.10	0.3	--	632	--	194	--	
		9-20-61	1,260	7.2	41 / 2.04	23 / 1.89	116 / 5.04	21 / 0.54	59 / 3.27	0 / 0.00	457 / 7.49	75 / 1.56	68 / 1.92	0.9 / 0.01	31 / 0.98	2.2 / 0.12	0.5	47	620	40	195	0	

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL COASTAL REGION (NO. 3)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
4	Seaside County Sanitation District	11-56	1,320	7.0	19 / 0.95	27 / 2.22	136 / 5.92	17 / 0.43	76 / 4.21	0 / 0.00	469 / 7.69	68 / 1.42	123 / 3.47	72 / 1.16	--	2.5 / 0.13	0.33	45	817	62	157	0	
		8-2-57	1,340	7.1	21 / 1.05	24 / 1.97	143 / 6.22	19 / 0.49	66 / 3.66	0 / 0.00	492 / 8.06	56 / 1.17	174 / 4.91	0.7 / 0.01	55 / 1.73	7.2 / 0.38	0.72	50	804	46	151	0	
		4-30-59	1,350	7.3	30 / 1.50	23 / 1.86	145 / 6.31	16 / 0.41	64 / 3.55	0 / 0.00	412 / 6.75	32 / 0.67	176 / 4.96	0.5 / 0.01	46 / 1.45	22 / 0.12	0.55	51	788	46	168	0	
		8-13-59	1,610	7.3	37 / 1.85	28 / 2.30	181 / 7.87	17 / 0.43	66 / 3.66	0 / 0.00	478 / 7.83	56 / 1.17	222 / 6.26	2.0 / 0.03	50 / 1.58	--	0.72	48	943	49	207	0	
		5-20-60	1,500	7.5	33 / 1.65	25 / 2.06	174 / 7.57	16 / 0.41	61 / 3.38	0 / 0.00	442 / 7.24	76 / 1.58	199 / 5.61	13 / 0.21	53 / 1.67	—	0.50	42	910	50	186	0	
		9-20-60	1,670	--	--	--	198 / 8.61	—	—	0 / 0.00	--	—	238 / 6.71	—	--	—	0.5	--	812	—	--	--	
		5-23-61	1,420	7.6	--	—	163 / 7.09	16 / 0.41	--	0 / 0.00	--	--	184 / 5.19	--	--	0.6 / 0.03	0.7	--	756	—	170	--	
		9-20-61	1,590	7.2	42 / 2.10	29 / 2.38	189 / 8.22	20 / 0.51	52 / 2.88	0 / 0.00	434 / 7.11	75 / 1.56	231 / 6.51	1.0 / 0.02	56 / 1.77	0.5 / 0.03	0.8	50	851	51	223	0	
5	City of Monterey	11-56	1,170	6.5	37 / 1.85	18 / 1.48	112 / 4.87	17 / 0.43	55 / 3.05	0 / 0.00	335 / 5.49	57 / 1.19	146 / 4.12	22 / 0.35	—	2.0 / 0.11	0.28	35	666	56	165	0	
		8-23-57	1,050	7.6	13 / 0.65	22 / 1.79	101 / 4.39	17 / 0.43	42 / 2.33	0 / 0.00	314 / 5.15	29 / 0.60	122 / 3.44	1.0 / 0.02	--	--	0.28	25	485	46	122	0	
		4-30-59	1,010	6.8	27 / 1.35	15 / 1.25	90 / 3.92	14 / 0.36	48 / 2.66	0 / 0.00	309 / 5.06	40 / 0.83	104 / 2.93	1.2 / 0.02	39 / 1.23	1.5 / 0.08	0.52	37	569	41	130	0	
		8-14-59	1,070	7.1	32 / 1.60	14 / 1.15	105 / 4.57	15 / 0.38	53 / 2.94	0 / 0.00	362 / 5.93	40 / 0.83	112 / 3.16	1.8 / 0.03	36 / 1.14	—	0.52	27	614	43	138	0	
		5-23-60	1,010	7.3	20 / 1.00	20 / 1.64	97 / 4.22	14 / 0.36	48 / 2.66	0 / 0.00	333 / 5.46	41 / 0.85	97 / 2.74	7.2 / 0.11	49 / 1.55	--	0.30	27	584	43	132	0	
		9-19-60	1,060	--	--	--	108 / 4.70	--	--	0 / 0.00	--	--	109 / 3.07	--	--	—	0.4	--	--	--	--	—	
		5-22-61	1,010	7.9	27 / 1.35	18 / 1.48	105 / 4.57	15 / 0.38	40 / 2.22	0 / 0.00	340 / 5.57	64 / 1.33	88 / 2.48	1.2 / 0.02	45 / 1.42	0.6 / 0.03	0.6	28	514	46	141	0	
		9-18-61	1,190	7.1	33 / 1.65	20 / 1.64	127 / 5.52	16 / 0.41	42 / 2.33	0 / 0.00	358 / 5.87	76 / 1.58	133 / 3.75	0.6 / 0.01	42 / 1.33	0.6 / 0.03	0.6	30	613	48	163	0	
6	City of Pacific Grove	11-56	1,120	6.9	28 / 1.40	19 / 1.56	92 / 4.00	17 / 0.43	55 / 3.05	0 / 0.00	320 / 5.24	51 / 1.06	138 / 3.89	36 / 0.58	—	2.5 / 0.13	0.28	37	633	54	148	0	
		8-1-57	991	7.4	8.8 / 0.44	21 / 1.72	91 / 3.96	17 / 0.43	46 / 2.55	0 / 0.00	312 / 5.11	52 / 1.08	107 / 3.02	0.7 / 0.01	15 / 0.47	7.2 / 0.38	0.48	35	540	44	108	0	
		4-30-59	1,080	7.0	26 / 1.30	18 / 1.48	100 / 4.35	14 / 0.36	52 / 2.88	0 / 0.00	286 / 4.69	51 / 1.06	138 / 3.89	0.4 / 0.01	36 / 1.14	1.4 / 0.07	0.33	32	610	42	139	0	
		8-13-59	1,070	7.2	28 / 1.40	16 / 1.32	100 / 4.35	16 / 0.41	57 / 3.16	0 / 0.00	317 / 5.20	49 / 1.02	124 / 3.50	2.3 / 0.04	38 / 1.20	--	0.39	24	611	41	134	0	
		5-19-60	973	7.3	22 / 1.10	16 / 1.32	92 / 4.00	14 / 0.36	42 / 2.33	0 / 0.00	266 / 4.36	50 / 1.04	111 / 3.13	11 / 0.18	40 / 1.26	—	0.54	24	554	44	120	0	

TABLE C-3 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL COASTAL REGION (NO. 3)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N.C. (ppm)	Remarks
6	City of Pacific Grove (Continued)	9-19-60	1,020	--	--	--	98 / 4.26	--	--	0 / 0.00	--	--	113 / 3.19	--	--	--	0.4	--	501	--	--	--	
		5-22-61	1,040	7.6	23 / 1.15	18 / 1.48	108 / 4.70	16 / 0.41	39 / 2.16	0 / 0.00	326 / 5.34	64 / 1.33	97 / 2.74	1.4 / 0.02	52 / 1.64	1.3 / 0.07	0.4	25	514	48	131	0	
		9-18-61	1,080	7.3	36 / 1.80	17 / 1.40	100 / 4.35	28 / 0.72	46 / 2.55	0 / 0.00	307 / 5.03	66 / 1.37	120 / 3.38	0.9 / 0.01	46 / 1.45	1.2 / 0.06	0.8	25	546	40	159	0	
7	Carmel Sanitary District	11-56	1,050	6.9	30 / 1.50	27 / 2.22	88 / 3.83	17 / 0.43	53 / 2.94	0 / 0.00	370 / 6.06	67 / 1.40	82 / 2.31	21 / 0.34	--	2.0 / 0.11	0.22	35	604	48	188	0	
		8-1-57	867	7.7	15 / 0.75	17 / 1.41	77 / 3.35	16 / 0.41	22 / 1.22	0 / 0.00	308 / 5.05	41 / 0.85	80 / 2.26	0.6 / 0.01	0.65 / 0.02	6.4 / 0.34	0.32	33	460	47	108	0	
		4-30-59	829	6.7	33 / 1.65	6.9 / 0.57	72 / 3.13	12 / 0.31	38 / 2.11	0 / 0.00	264 / 4.33	14 / 0.29	88 / 2.48	1.0 / 0.02	4.5 / 0.14	1.5 / 0.08	0.24	36	478	40	111	0	
		8-13-59	1,060	6.7	27 / 1.35	25 / 2.06	96 / 4.17	14 / 0.36	43 / 2.38	0 / 0.00	359 / 5.88	20 / 0.42	127 / 3.58	3.6 / 0.06	43 / 1.36	--	0.35	32	607	40	172	0	
		5-20-60	935	7.5	21 / 1.05	20 / 1.64	90 / 3.91	14 / 0.36	39 / 2.16	0 / 0.00	246 / 4.03	40 / 0.83	123 / 3.47	11 / 0.18	32 / 1.01	--	0.14	25	538	43	133	0	
		9-19-60	1,020	--	--	--	90 / 3.91	--	--	0 / 0.00	--	--	163 / 4.60	--	--	--	0.3	--	502	--	--	--	
		5-22-61	1,030	7.8	--	--	90 / 3.91	15 / 0.38	--	0 / 0.00	--	--	97 / 2.74	--	--	0.6 / 0.03	0.4	--	468	--	140	--	
		9-18-61	940	7.5	38 / 1.90	15 / 1.23	90 / 3.91	15 / 0.38	34 / 1.88	0 / 0.00	296 / 4.85	74 / 1.54	100 / 2.82	0.5 / 0.01	35 / 1.11	0.5 / 0.03	0.5	32	512	42	156	0	
8	City of Salinas	11-56	1,330	7.0	55 / 2.75	33 / 2.71	165 / 7.18	17 / 0.43	6.6 / 0.37	0 / 0.00	221 / 3.62	95 / 1.98	197 / 5.56	169 / 2.69	--	1.4 / 0.07	0.33	56	904	55	273	0	
		7-31-57	1,510	6.9	66 / 3.29	45 / 3.74	173 / 7.53	14 / 0.36	--	0 / 0.00	285 / 4.67	136 / 2.83	221 / 6.23	41 / 0.66	16 / 0.50	1.8 / 0.09	0.32	48	902	50	352	118	
		4-30-59	1,480	7.2	59 / 2.94	31 / 2.53	177 / 7.70	17 / 0.43	15 / 0.83	0 / 0.00	315 / 5.16	100 / 2.08	256 / 7.22	0.4 / 0.01	30 / 0.95	1.6 / 0.08	0.33	45	887	53	274	16	
		8-11-59	1,490	7.7	64 / 3.19	38 / 3.13	177 / 7.70	18 / 0.46	12 / 0.67	0 / 0.00	372 / 6.10	117 / 2.44	220 / 6.20	17 / 0.27	22 / 0.69	--	0.54	45	914	51	315	10	
		5-18-60	1,500	7.4	50 / 2.50	38 / 3.13	170 / 7.39	14 / 0.36	--	0 / 0.00	338 / 5.54	100 / 2.08	223 / 6.29	25 / 0.40	31 / 0.98	--	0.61	56	--	--	283	6	
		9-23-60	1,440	--	--	--	178 / 7.74	--	--	0 / 0.00	--	--	226 / 6.37	--	--	--	0.7	--	--	--	--	--	
		11-22-60	1,240	--	--	--	130 / 5.65	23 / 0.59	--	0 / 0.00	--	--	176 / 4.96	--	--	--	0.9	--	770	47	284	--	
		12-6-60	1,170	7.5	--	--	127 / 5.52	14 / 0.36	--	0 / 0.00	--	--	171 / 4.82	--	--	--	0.7	--	739	--	262	--	
		1-10-61	1,260	--	--	--	150 / 6.52	17 / 0.43	--	0 / 0.00	--	--	178 / 5.02	--	--	--	0.52	--	795	53	264	--	
		2-2-61	1,320	--	--	--	178 / 7.74	15 / 0.38	--	0 / 0.00	--	--	199 / 5.61	--	--	--	0.9	--	825	59	254	--	

TABLE C-4 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL COASTAL REGION (NO. 3)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$ Total (ppm)	Hardness as $CaCO_3$ N.C. (ppm)	Remarks
					Mineral constituents in parts per million / equivalents per million																		
8	City of Salinas (Continued)	2-28-61	1,310	7.3	--	--	150 / 6.52	13 / 0.33	--	0 / 0.00	--	--	183 / 5.16	--	--	--	0.44	--	808	--	284	--	
		4-12-61	1,320	--	--	--	144 / 6.26	--	--	0 / 0.00	--	--	189 / 5.33	--	--	--	0.4	--	843	--	--	--	
		5-24-61	1,500	7.8	56 / 2.79	36 / 2.96	188 / 8.17	14 / 0.36	76 / 4.21	0 / 0.00	252 / 4.13	106 / 2.21	241 / 6.80	52 / 0.84	14 / 0.44	0.6 / 0.03	0.9	45	864	56	288	81	
		9-25-61	1,370	7.7	72 / 3.59	22 / 1.81	160 / 6.96	16 / 0.41	18 / 1.00	0 / 0.00	339 / 5.56	98 / 2.04	192 / 5.41	29 / 0.47	38 / 1.20	0.6 / 0.03	0.6	46	803	50	272	0	
9	Alisal Sanitary District	11-56	1,050	7.2	43 / 2.15	19 / 1.56	108 / 4.70	15 / 0.38	27 / 1.50	0 / 0.00	241 / 3.95	44 / 0.92	120 / 3.38	124 / 2.00	--	2.1 / 0.11	0.20	52	672	53	187	0	
		7-31-57	890	7.6	42 / 2.10	16 / 1.32	110 / 4.78	16 / 0.41	--	0 / 0.00	128 / 2.10	45 / 0.94	126 / 3.55	61 / 0.98	41 / 1.20	3.6 / 0.19	0.33	49	532	56	171	66	
		4-30-59	964	7.2	32 / 1.60	28 / 2.30	100 / 4.35	13 / 0.33	11 / 0.61	0 / 0.00	192 / 3.15	43 / 0.90	134 / 3.78	48 / 0.77	37 / 1.17	2.0 / 0.10	0.30	44	587	47	195	38	
		8-11-59	994	7.5	29 / 1.45	27 / 2.22	117 / 5.09	14 / 0.36	12 / 0.67	0 / 0.00	235 / 3.85	46 / 0.96	139 / 3.92	56 / 0.90	45 / 1.42	--	0.55	49	650	52	185	0	
		5-18-60	914	7.8	25 / 1.25	25 / 2.06	99 / 4.30	14 / 0.36	--	0 / 0.00	196 / 3.21	40 / 0.83	109 / 3.07	48 / 0.77	47 / 1.48	--	0.65	55	--	--	167	0	
		9-23-60	906	--	--	--	102 / 4.43	--	--	0 / 0.00	--	--	122 / 3.44	--	--	--	0.6	--	527	--	--	--	
		4-12-61	878	--	--	--	98 / 4.26	--	--	0 / 0.00	--	--	115 / 3.24	--	--	--	0.4	--	576	--	--	--	
		5-24-61	949	7.3	--	--	99 / 4.30	14 / 0.36	--	0 / 0.00	--	--	124 / 3.50	--	--	0.4	0.4	--	590	--	178	--	
		9-25-61	965	8.1	48 / 2.40	14 / 1.15	112 / 4.87	14 / 0.36	20 / 1.11	0 / 0.00	280 / 4.59	37 / 0.77	125 / 3.52	16 / 0.26	50 / 1.58	0.5 / 0.03	0.6	43	548	49	178	0	
10	California State Prison at Soledad	5-19-60	1,240	7.7	45 / 2.24	23 / 1.89	151 / 6.57	12 / 0.31	25 / 1.39	0 / 0.00	304 / 4.98	89 / 1.85	174 / 4.91	11 / 0.18	18 / 0.57	--	0.25	45	742	53	205	0	
		9-22-60	1,330	7.7	60 / 2.99	25 / 2.06	144 / 6.26	12 / 0.31	20 / 1.11	0 / 0.00	295 / 4.84	84 / 1.75	207 / 5.84	1.0 / 0.02	19 / 0.60	--	0.0	52	730	49	252	10	
		9-22-61	1,080	7.5	56 / 2.79	14 / 1.15	123 / 5.35	10 / 0.26	21 / 1.16	0 / 0.00	272 / 4.46	88 / 1.83	152 / 4.29	0.6 / 0.01	14 / 0.44	1.4 / 0.07	0.1	50	629	50	198	0	
11	City of Paso Robles	10- 9-[illegible]	1,755	7.5	49 / 2.44	34 / 2.76	281 / 12.20	12 / 0.32	5.8	0 / 0.00	555 / 9.10	139 / 2.89	195 / 5.49	2.0 / 0.03	4.5	0.52 / 0.03	1.05	37	1228	70	260	0	
		10- 8-58	1,771	7.0	72 / 3.62	44 / 3.59	251 / 10.90	12 / 0.30	20 / 1.09	0 / 0.00	549 / 8.99	164 / 3.41	223 / 6.28	4.6 / 0.07	13 / 0.41	0.9 / 0.05	0.7	50	1200	56	360	0	
		10-13-59	2,004	7.2	67 / 3.36	41 / 3.40	276 / 12.0	11 / 0.29	4.0 / 0.22	0 / 0.00	500 / 8.19	161 / 3.35	262 / 7.38	36 / 0.58	32 / 1.00	1.0 / 0.05	1.5	40	1245	62	338	0	
		5- 9-60	1,938	7.8	54 / 2.70	34 / 2.80	281 / 12.2	11 / 0.28	27 / 1.49	0 / 0.00	483 / 7.92	172 / 3.58	263 / 7.43	6 / 0.10	33 / 1.03	3.0 / 0.16	1.10	4	1321	63	413	17	
		9-12-60	1,786	7.3	64 / 3.19	39 / 3.21	280 / 12.18	10 / 0.26	12 / 0.67	0 / 0.00	447 / 7.32	149 / 3.10	288 / 8.12	20 / 0.32	12	1.2 / 0.06	0.80	55	1145	62	320	0	

TABLE C-3 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL COASTAL REGION (NO. 3)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	N.C. (ppm)	Remarks
11	City of Paso Robles (continued)	5-22-61	2,100	7.7	60 / 2.98	52 / 4.34	333 / 14.47	12 / 0.31	12 / 0.67	0 / 0.00	515 / 8.45	218 / 4.54	301 / 8.51	18 / 0.29	25 / 0.79	1.6 / 0.08	1.19	44	1,248	62	366	0	
		9-11-61	1,670	8.1	33 / 1.67	34 / 2.84	280 / 12.17	11 / 0.29	3.6 / 0.20	0 / 0.00	454 / 7.45	108 / 2.24	240 / 6.74	22 / 0.35	4	1.0 / 0.05	0.90	50	1,044	71	226	0	
		5-21-62	1,860	7.3	46 / 2.30	35 / 2.85	290 / 12.60	11 / 0.28	51 / 2.84	0 / 0.00	458 / 7.50	185 / 3.85	247 / 6.96	14 / 0.24	51	1.48 / 0.07	0.90	42	1,350	60	258	0	
12	Morro Bay - Cayucos Sanitary District	5-27-58	2,193	7.1	78 / 3.90	105 / 8.60	221 / 9.60	13 / 0.34	7 / 0.37	0 / 0.00	662 / 10.85	117 / 2.43	333 / 9.38	28 / 0.44	1.8 / 0.06	1.4 / 0.07	0.70	10	1,431	43	625	83	Grab
		10-13-59	1,977	7.6	67 / 3.34	92 / 7.58	191 / 8.30	14 / 0.37	30 / 1.65	0 / 0.00	686 / 11.24	95 / 1.98	266 / 7.49	7 / 0.11	9 / 0.28	0.94 / 0.05	0.42	28	1,160	39	546	0	
		3-22-60	2,228	7.4	62 / 3.09	92 / 7.56	214 / 9.32	11 / 0.29	41 / 2.27	0 / 0.00	674 / 11.05	108 / 2.25	340 / 9.57	2 / 0.03	20 / 0.59	2.80	0.46	42	1,530	41	533	0	Grab
		3-21-60	2,063	7.4	57 / 2.85	96 / 7.87	193 / 8.42	11 / 0.29	38 / 2.11	0 / 0.00	639 / 10.48	95 / 1.98	298 / 8.39	7 / 0.12	49 / 1.65	2.5	0.80	42	1,420	39	536	12	
		9-12-60	2,445	7.4	78 / 3.89	124 / 10.19	258 / 11.22	16 / 0.41	34 / 1.89	0 / 0.00	715 / 11.72	121 / 2.53	464 / 13.08	13 / 0.21	11	0.4 / 0.02	0.24	33	1,540	41	706	220	
		5-23-61	2,040	7.8	79 / 3.96	112 / 9.19	201 / 8.75	13 / 0.34	29 / 1.62	0 / 0.00	705 / 11.50	145 / 3.03	311 / 8.77	7.1 / 0.11	10 / 0.31	1.0 / 0.05	0.43	42	1,364	38	658	83	
		9-11-61	2,560	8.1	73 / 3.65	122 / 10.00	260 / 11.30	15 / 0.40	30 / 1.70	0 / 0.00	685 / 11.24	147 / 3.06	443 / 12.47	1.7 / 0.03	8	0.6 / 0.03	0.57	40	1,692	42	683	121	
		5-21-62	2,325	7.3	62 / 3.12	108 / 8.86	255 / 11.10	18 / 0.45	66 / 3.67	0 / 0.00	665 / 10.90	86 / 1.81	418 / 11.77	1.0 / 0.01	61	0.73 / 0.04	0.76	30	1,685	41	545	54	
13	City of San Luis Obispo	10- 9-57	1,265	7.2	24 / 1.20	43 / 3.50	137 / 5.95	16 / 0.41	8.8	0 / 0.00	317 / 5.20	89 / 1.85	148 / 4.17	13 / 0.21	3.5	1.0 / 0.05	0.65	20	780	56	235	0	
		10- 8-58	1,164	7.1	34 / 1.70	36 / 3.01	108 / 4.70	13 / 0.33	21 / 1.19	0 / 0.00	337 / 5.52	82 / 1.71	137 / 3.86	8.6 / 0.14	21	1.2 / 0.06	0.4	42	798	43	235	0	
		10-13-59	1,216	7.1	40 / 1.99	30 / 2.43	125 / 5.45	15 / 0.38	29 / 1.62	0 / 0.00	338 / 5.54	91 / 1.89	142 / 3.99	4 / 0.10	3.0 / 0.09	2.2 / 0.12	0.46	14	630	46	221	0	
		5-10-60	1,300	7.8	34 / 1.71	46 / 3.77	143 / 6.19	19 / 0.47	32 / 1.73	0 / 0.00	364 / 5.96	94 / 1.97	187 / 5.29	6 / 0.10	38 / 1.21	3.2 / 0.17	0.8	24	890	45	274	0	
		9-13-60	1,230	7.6	29 / 1.45	39 / 3.18	150 / 6.50	13 / 0.33	0.08	0 / 0.00	318 / 5.22	105 / 2.18	155 / 4.36	0 / 0.00	12	0.6 / 0.03	0.4	9	700	57	232	0	
		5-22-61	1,140	7.6	58 / 2.90	41 / 3.44	112 / 4.87	14 / 0.37	26 / 1.44	0 / 0.00	363 / 5.95	133 / 2.76	122 / 3.42	1.7 / 0.03	25 / 0.79	1.7 / 0.09	0.38	21	616	40	317	19	
		9-12-61	1,220	7.7	29 / 1.43	40 / 3.30	127 / 5.50	13 / 0.34	34 / 1.90	0 / 0.00	369 / 6.05	115 / 2.41	149 / 4.21	3.2 / 0.05	7	0.6 / 0.03	0.45	26	506	44	237	0	
		5-22-62	1,153	6.9	34 / 1.76	30 / 2.45	143 / 6.20	11 / 0.29	50 / 2.77	0 / 0.00	313 / 5.14	95 / 1.98	140 / 3.94	1 / 0.02	55	2.0 / 0.10	0.40	18	804	46	211	0	
14	Vandenberg Air Force Base	5- 9-60	1,392	7.5	22 / 1.11	28 / 2.27	179 / 7.80	15 / 0.39	30 / 1.65	0 / 0.00	190 / 3.11	187 / 3.91	193 / 5.42	15 / 0.25	48 / 1.52	3.4 / 0.18	1.2	33	838	59	169	19	

TABLE C-3 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL COASTAL REGION (NO. 3)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in ppm / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
15	City of Santa Maria	8-15-56	1,940	7.7	100 / 4.98	71 / 5.81	255 / 11.10	17 / 0.44	26 / 1.47	0 / 0.00	742 / 12.16	163 / 3.40	260 / 7.32	0 / 0.00	9 / 0.28	0.2 / 0.01	0.3	32	1,276	51	540	0	
		10-9-57	2,654	7.2	135 / 6.76	81 / 6.64	308 / 13.40	20 / 0.52	20 / 1.10	0 / 0.00	427 / 7.00	526 / 10.95	355 / 10.00	0 / 0.00	4.0	0.47 / 0.03	0.35	33	1,850	50	670	320	
		10-8-58	2,104	7.0	126 / 6.28	79 / 6.50	209 / 9.10	19 / 0.47	23 / 1.25	0 / 0.00	426 / 6.98	517 / 10.76	205 / 5.77	0 / 0.00	19 / 0.60	1.0 / 0.05	0.4	50	1,392	39	639	290	
		10-15-59	2,435	7.2	147 / 7.34	72 / 5.90	237 / 10.30	22 / 0.55	50 / 2.79	0 / 0.00	707 / 11.58	337 / 7.03	306 / 8.62	0 / 0.00	42 / 1.32	1.0 / 0.05	1.3	--	1,515	38	662	83	
		5-10-60	2,600	7.2	145 / 7.26	81 / 6.70	274 / 11.90	19 / 0.48	42 / 2.35	0 / 0.00	522 / 8.56	483 / 10.07	340 / 9.57	0 / 0.00	0.34	2.1 / 0.11	1.1	58	1,764	42	698	270	
		9-14-60	2,370	6.8	163 / 8.13	101 / 8.30	244 / 10.61	26 / 0.67	16 / 0.88	0 / 0.00	471 / 7.72	617 / 12.85	288 / 8.12	4.5 / 0.07	4.5	0.7 / 0.04	0.28	32	1,710	37	820	434	
		11-22-60	2,222	8.1	165 / 8.25	72 / 5.90	206 / 8.95	14 / 0.36	--	0 / 0.00	473 / 7.75	480 / 10.00	207 / 5.83	10 / 0.16	29	1.4 / 0.07	0.40	32	1,457	38	708	320	Grab
		5-23-61	2,600	7.0	163 / 8.13	95 / 7.78	260 / 11.30	19 / 0.50	24 / 1.33	0 / 0.00	382 / 6.27	637 / 13.27	321 / 9.04	0 / 0.00	20 / 0.63	0.7 / 0.04	0.58	34	1,824	39	796	482	
		9-12-61	1,810	7.9	83 / 4.16	68 / 5.64	200 / 8.70	16 / 0.42	2.7 / 0.15	0 / 0.00	369 / 6.05	189 / 3.94	310 / 8.75	7.3 / 0.12	6	0.3 / 0.02	0.33	41	1,356	46	490	187	
		5-21-62	2,826	7.1	112 / 5.62	100 / 8.20	368 / 16.00	20 / 0.52	47 / 2.62	0 / 0.00	480 / 7.86	472 / 9.82	427 / 12.02	0 / 0.00	75	0.50 / 0.03	0.84	--	2,040	49	393	298	
16	City of Lompoc	10-9-57	2,901	7.3	137 / 6.84	107 / 8.80	317 / 13.80	20 / 0.51	8.80	0 / 0.00	409 / 6.70	448 / 9.33	455 / 12.82	22 / 0.35	7.3	0.80 / 0.04	0.80	37	1,912	45	782	447	
		5-1-58	2,626	7.3	125 / 6.25	68 / 5.55	340 / 14.8	38 / 0.96	2.6 / 0.14	0 / 0.00	451 / 7.40	329 / 6.85	460 / 12.96	4.7 / 0.08	25 / 0.79	0.1 / 0.01	2.8	33	1,797	53	640	370	
		10-8-58	2,688	7.0	176 / 8.78	55 / 4.47	320 / 13.90	17 / 0.44	17 / 0.95	0 / 0.00	498 / 8.17	335 / 6.97	439 / 12.37	8.8 / 0.15	31 / 0.98	0.8 / 0.04	0.7	64	1,811	49	662	254	
		10-15-59	3,786	7.3	156 / 7.76	99 / 8.16	437 / 19.0	27 / 0.70	69 / 3.83	0 / 0.00	1,006 / 16.48	43 / 0.89	703 / 19.80	0 / 0.00	47 / 1.50	0.72 / 0.04	1.7	--	2,305	48	796	0	
		5-9-60	3,592	7.7	156 / 7.74	81 / 6.74	455 / 19.80	16 / 0.42	50 / 2.79	0 / 0.00	642 / 10.54	465 / 9.68	613 / 17.29	0 / 0.00	51 / 1.62	3.6 / 0.19	1.6	35	2,441	53	724	197	
		9-14-60	3,584	7.7	168 / 8.38	98 / 8.06	515 / 22.40	18 / 0.46	26 / 1.45	0 / 0.00	583 / 9.56	463 / 9.64	746 / 21.04	13 / 0.21	8	0.7 / 0.04	0.76	52	2,390	55	820	342	
		5-24-61	3,900	7.8	141 / 7.04	108 / 8.92	600 / 26.10	16 / 0.42	33 / 1.83	0 / 0.00	578 / 9.49	522 / 10.86	832 / 23.44	1.4 / 0.02	5.6 / 0.18	1.2 / 0.06	0.98	48	2,750	59	798	323	
		9-13-61	4,200	7.8	120 / 6.00	116 / 9.47	642 / 27.90	19 / 0.50	11 / 0.60	0 / 0.00	558 / 9.15	494 / 10.28	862 / 24.30	0 / 0.00	13	0.4 / 0.02	0.95	50	2,802	63	774	316	
		5-23-62	4,390	7.0	177 / 8.84	97 / 8.00	690 / 30.00	19 / 0.50	25 / 1.39	0 / 0.00	506 / 8.30	446 / 9.29	1,010 / 28.44	15 / 0.25	52	2.30 / 0.12	0.48	29	3,060	62	415	427	
17	Goleta Sanitary District	8-14-56	3,660	7.6	69 / 3.44	94 / 7.67	710 / 30.88	30 / 0.77	4.3 / 0.24	0 / 0.00	538 / 8.82	367 / 7.65	888 / 25.01	0 / 0.00	0 / 0.00	0.5 / 0.02	1.2	26	2,500	74	555	114	Grab

TABLE C-3 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL COASTAL REGION (NO. 3)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$ Total (ppm)	Hardness as $CaCO_3$ N.C. (ppm)	Remarks
					Mineral constituents in parts per million / equivalents per million																		
17	Goleta Sanitary District (continued)	5-1-58	3,064	8.2	87 / 4.35	74 / 6.10	460 / 20.0	18 / 0.46	26 / 1.44	0 / 0.00	528 / 8.65	376 / 7.83	565 / 15.91	0.59 / 0.01	7 / 0.22	0.11 / 0.01	2.9	33	2,014	62	523	90	
		10-16-59	1,615	7.0	55 / 2.74	47 / 3.84	182 / 7.9	17 / 0.44	40 / 2.20	0 / 0.00	348 / 5.71	266 / 5.53	186 / 5.25	0 / 0.00	52 / 1.62	0.77 / 0.03	0.98	0	995	46	330	44	Grab
		5-9-60	2,117	7.5	88 / 4.42	47 / 3.90	265 / 11.50	20 / 0.52	32 / 1.77	0 / 0.00	426 / 6.98	324 / 6.75	286 / 8.05	0 / 0.00	36 / 1.12	0.8 / 0.04	1.7	24	1,466	52	416	67	Grab
		9-12-60	1,840	7.0	52 / 2.58	61 / 4.96	203 / 8.83	19 / 0.49	0.24	0 / 0.00	345 / 5.65	222 / 4.62	250 / 7.06	0 / 0.00	13	0.4 / 0.02	2.3	10	1,160	49	372	89	Grab
		5-22-61	1,560	7.1	53 / 2.64	57 / 4.70	160 / 6.95	16 / 0.42	28 / 1.55	0 / 0.00	273 / 4.49	255 / 5.31	211 / 5.94	0 / 0.00	25 / 0.79	1.7 / 0.09	1.3	22	1,086	44	367	142	Grab
		9-11-61	1,625	7.3	67 / 2.35	51 / 4.22	188 / 8.15	16 / 0.42	27 / 1.50	0 / 0.00	254 / 4.17	269 / 5.60	239 / 6.72	0 / 0.00	17	0.6 / 0.03	1.5	26	1,152	49	328	119	Grab
		5-21-62	1,245	7.1	64 / 3.20	46 / 3.81	193 / 8.40	15 / 0.38	0 / 0.00	0 / 0.00	273 / 4.48	122 / 2.55	224 / 6.31	1 / 0.01	67	0.18 / 0.01	1.0	20	940	53	224	127	Grab
18	City of Santa Barbara	8-15-56	2,660	7.6	90 / 4.50	73 / 6.00	395 / 17.18	22 / 0.57	28 / 1.53	0 / 0.00	216 / 3.54	450 / 9.38	505 / 14.23	0 / 0.00	1 / 0.03	0.7 / 0.04	1.0	21	1,732	62	525	378	
		10-9-57	3,200	6.9	88 / 4.40	71 / 5.80	446 / 19.40	28 / 0.72	36	0 / 0.00	482 / 7.90	309 / 6.43	590 / 16.62	0 / 0.00	4.8	0.54 / 0.03	1.20	31	2,005	66	510	115	
		5-8-58	1,860	7.7	94 / 4.70	68 / 5.60	311 / 13.50	13 / 0.33	19 / 1.08	0 / 0.00	503 / 8.25	228 / 4.75	398 / 11.21	7.7 / 0.12	13 / 0.41	1.0 / 0.05	0.31	23	1,218	54	515	103	
		10-8-58	2,388	6.7	80 / 4.00	65 / 5.39	308 / 13.40	18 / 0.46	23 / 1.28	0 / 0.00	414 / 6.79	351 / 7.31	382 / 10.76	0 / 0.00	16 / 0.50	1.0 / 0.05	0.9	49	1,648	55	469	130	
		10-15-59	3,281	7.0	114 / 5.68	74 / 6.12	437 / 19.0	27 / 0.68	30 / 1.69	0 / 0.00	383 / 6.28	342 / 8.31	635 / 17.88	0 / 0.00	45 / 1.43	0.93 / 0.04	1.2	--	2 105	57	590	276	
		5-16-60	3.498	9.1	98 / 4.92	78 / 6.44	451 / 19.60	16 / 0.40	37 / 2.07	18 / 0.60	398 / 6.54	371 / 7.72	686 / 19.32	0 / 0.00	47 / 1.5	0. / 0.04	0.74	23	2.272	63	563	241	
		9-21-60	3.115	7.1	89 / 4.47	68 / 5.60	486 / 21.13	22 / 0.56	--	0 / 0.00	379 / 6.22	349 / 7.27	638 / 18.00	0 / 0.00	9.2	0.8 / 0.04	1.6	16	1,962	67	509	199	
		5-24-61	2.800	7.2	68 / 3.38	72 / 5.90	418 / 18.17	20 / 0.53	29 / 1.61	0 / 0.00	399 / 6.55	354 / 7.36	567 / 15.99	0 / 0.00	4.5 / 0.13	0.8 / 0.04	1.05	27	1,876	62	464	136	
		9-13-61	3 200	8.0	68 / 3.42	77 / 6.26	523 / 22.75	24 / 0.63	5.4 / 0.30	0 / 0.00	476 / 7.79	325 / 6.77	644 / 18.15	13 / 0.21	7	0.7 / 0.04	0.76	33	2,114	68	484	94	
19	Carpinteria Sanitary District	8-14-56	2,720	7.4	94 / 4.71	84 / 6.92	425 / 18.45	20 / 0.51	9.5 / 0.53	0 / 0.00	545 / 8.9	284 / 5.90	563 / 15.86	0 / 0.00	0.2 / 0.01	0.8 / 0.04	1.0	26	1,828	61	582	137	
		10-15-57	2,315	7.5	88 / 4.40	60 / 4.90	304 / 13.20	15 / 0.39	4.8	0 / 0.00	397 / 6.50	209 / 4.35	418 / 11.77	13 / 0.21	2.25	0.94 / 0.05	0	29	1,500	59	465	140	
		5-7-58	2,306	7.2	124 / 6.20	71 / 5.80	350 / 15.2	22 / 0.56	41 / 2.30	0 / 0.00	470 / 7.70	359 / 7.47	460 / 13.09	0 / 0.00	25 / 0.79	1.6 / 0.08	0.44	8	1,506	51	600	215	
		10-30-59	3,467	7.4	114 / 5.68	78 / 6.44	511 / 22.2	25 / 0.64	14 / 0.79	0 / 0.00	497 / 8.14	303 / 6.31	774 / 21.8	3 / 0.05	16 / 0.50	0.70 / 0.09	0.72	27	2,150	62	606	199	

TABLE C-3 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL COASTAL REGION (NO. 3)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N.C. (ppm)	Remarks
19	Carpinteria Sanitary District (continued)	5-16-60	4,476	7.9	96 / 4.80	112 / 9.16	685 / 29.80	28 / 0.72	14 / 0.75	0 / 0.00	578 / 9.48	344 / 7.16	1,009 / 28.44	7 / 0.12	30 / 0.99	3.1 / 0.16	0.42	21	2,994	67	698	224	
		9-21-60	2,890	7.7	91 / 4.57	66 / 5.43	432 / 18.80	23 / 0.59	0.28	0 / 0.00	534 / 8.75	193 / 4.02	566 / 15.96	11 / 0.17	8.8	0.6 / 0.03	0.9	17	1,988	64	500	64	
		5-24-61	3,120	7.8	88 / 4.38	86 / 7.07	485 / 21.10	23 / 0.61	23 / 1.27	0 / 0.00	551 / 9.04	351 / 7.30	624 / 17.61	7.3 / 0.12	9.5 / 0.30	1.3 / 0.07	0.84	33	2,034	65	573	121	
		9-13-61	1,340	7.7	51 / 2.57	66 / 5.35	143 / 6.20	17 / 0.45	3.6 / 0.20	0 / 0.00	246 / 4.03	267 / 5.56	136 / 3.82	50 / 0.80	8	0.6 / 0.03	0.48	43	910	42	396	194	
		5-23-62	2,768	7.4	144 / 7.20	36 / 3.00	451 / 19.60	23 / 0.60	1.40 / 0.08	0 / 0.00	469 / 7.68	305 / 6.35	515 / 14.50	1 / 0.02	40	2.87 / 0.15	0.74	21	1,965	64	384	126	

TABLE C-4

MINERAL ANALYSES OF WASTE WATER

LOS ANGELES REGION (NO. 4)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	NC (ppm)	Remarks
1	City of Ojai	11-16-55	--	7.2	108	40	270	15	22	--	--	191	422	1.8	--	1.2	1.8	--	1,416	53	436	--	8 hr. Composite
		5-17-56	--	7.2	116	40	216	15	21	--	--	236	356	19	--	0.6	0.8	--	1,324	50	455	--	8 hr. Composite
		11-14-56	--	7.3	110	43	245	15	27	--	--	220	416	3.1	--	1.0	0.9	--	1,440	53	454	--	8 hr. composite
		5-15-57	--	7.2	101	49	255	10	27	--	--	211	392	1.3	--	0.20	0.92	--	1,370	54	452	--	8 hr. Composite
		11-26-57	--	7.1	108	51	224	12	24	--	--	275	374	2.7	--	0.8	1.2	--	1,294	50	480	--	8 hr. Composite
		5-14-58	--	7.7	124	42	154	6	13	--	--	278	210	2.8	--	1.2	0.8	--	1,045	41	480	--	8 hr. Composite
		11-12-58	--	7.4	114	41	220	14	34	--	--	211	350	0	--	0.8	0.9	--	1,252	47	455	--	8 hr. Composite
		5-19-59	--	8.0	122	45	260	13	12	--	--	294	411	16	--	2.4	1.5	--	1,625	53	490	--	8 hr. Composite
		11-4-59	--	7.3	120	38	244	16	9.7	--	--	247	396	32	--	0.5	2.8	--	1,352	53	455	--	8 hr. Composite
		4-12-60	--	7.6	90	57	216	14	11	--	--	231	330	27	--	0.6	0.8	--	1,300	50	460	--	8 hr. Composite
		10-9-60	--	7.4	84	54	200	14	9.7	--	--	225	270	20	--	1.6	1.1	--	1,240	47	430	--	8 hr. Composite
		10-16-61	--	7.5	102	52	200	10	11	--	--	245	312	40	--	0.6	1.3	--	1,262	--	470	--	
2	City of Santa Paula	11-16-55	--	7.5	172	47	245	14	20	--	--	360	280	1.1	--	0.9	0.30	--	--	43	625	--	8 hr. Composite
		11-14-56	--	7.7	149	50	295	13	18	--	--	423	362	12	--	1.2	1.1	--	--	52	580	--	8 hr. Composite
		5-15-57	--	7.8	91	55	280	14	21	--	--	364	272	10	--	0.50	0.76	--	--	56	456	--	9 hr. Composite
		11-26-57	--	7.5	112	68	236	12	24	--	--	435	214	12	--	0.5	2.1	--	--	47	560	--	8 hr. Composite
		5-14-58	--	7.9	110	55	272	12	21	--	--	460	250	8.0	--	2.6	1.3	--	--	53	500	--	8 hr. Composite
		11-12-58	--	7.4	142	48	312	14	18	--	--	394	295	0	--	1.0	5.8	--	--	54	555	--	7 hr. Composite
		5-19-59	--	8.3	124	51	350	16	13	--	--	438	290	18	--	1.2	2.0	--	--	51	518	--	8 hr. Composite
		11-4-59	--	8.0	126	43	252	18	24	--	--	400	232	17	--	1.4	1.0	--	--	52	490	--	8 hr. Composite

TABLE C-4 (continued)

MINERAL ANALYSES OF WASTE WATER

LOS ANGELES REGION (NO. 4)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
2	City of Santa Paula (Continued)	4-12-60	--	7.9	84	71	316	16	26	--	--	354	245	11	--	1.2	1.0	--	--	57	500	--	8 hr. Composite
		10-19-60	--	8.1	134	59	244	14	14	--	--	445	225	20	--	2.4	1.0	--	--	47	575	--	8 hr. Composite
		10-16-61	--	7.6	100	71	210	9	9.7	--	--	424	170	44	--	1.2	1.7	--	--	--	540	--	
3	City of Ventura Seaside Plant	11-16-55	--	7.3	44	29	370	26	33	--	--	403	188	1.1	--	1.6	0.75	--	--	69	228	--	18 hr. Composite
		5-17-56	--	7.0	56	40	312	26	42	--	--	400	180	0.89	--	2.2	1.9	--	--	67	304	--	14 hr. Composite
		11-14-56	--	7.4	66	43	430	25	36	--	--	520	264	0.35	--	1.8	1.1	--	--	71	344	--	14 hr. Composite
		5-15-57	--	7.2	42	44	400	29	21	--	--	555	244	0	--	1.5	1.8	--	--	73	288	--	14 hr. Composite
		11-26-57	--	7.4	46	49	500	20	35	--	--	499	370	0	--	0.8	1.9	--	--	76	315	--	14 hr. Composite
		5-14-58	--	7.4	56	61	344	20	27	--	--	397	308	0	--	1.9	1.2	--	--	64	390	--	14 hr. Composite
		11-12-58	--	7.2	70	35	348	22	30	--	--	348	255	0	--	1.6	1.7	--	--	63	320	--	14 hr. Composite
		5-19-59	--	8.1	66	43	450	30	36	--	--	479	359	0	--	2.0	1.9	--	--	72	340	--	15 hr. Composite
		11-4-59	--	7.3	64	33	390	29	28	--	--	335	312	0	--	1.5	1.2	--	--	72	294	--	8 hr. Composite
		4-12-60	--	7.5	62	68	530	25	31	--	--	543	410	0	--	0.9	2.1	--	--	73	435	--	8 hr. Composite
		10-19-60	--	7.1	26	39	415	20	23	--	--	395	265	0	--	1.6	2.0	--	--	82	175	--	8 hr. Composite
		10-16-61	--	7.4	84	46	410	17	27	--	--	501	318	2.7	--	2.0	1.8	--	--	--	400	--	
4	City of Ventura Eastside Plant	10-16-61	--	7.8	90	54	350	17	7.7	--	--	538	260	2.9	--	0.6	1.7	--	1,611	--	445	--	
5	City of Oxnard	11-16-55	--	7.3	148	57	200	14	9	--	--	456	202	14	--	1.2	0.60	--	--	40	606	--	15 hr. Composite
		5-17-56	--	6.8	164	56	240	17	21	--	--	565	230	8.4	--	0.8	0.8	--	--	44	642	--	16 hr. Composite
		11-14-56	--	7.5	144	58	265	14	27	--	--	490	260	0.66	--	1.4	1.3	--	--	49	600	--	
		5-15-57	--	7.5	136	72	265	14	26	--	--	536	256	0	--	0.50	1.1	--	--	47	636	--	

TABLE C-4 (continued)

MINERAL ANALYSES OF WASTE WATER

LOS ANGELES REGION (NO. 4)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in ppm / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N.C. (ppm)	Remarks
5	City of Oxnard	11-26-57	--	7.4	132	74	252	14	39	--	--	518	276	0	--	0.8	1.4	--	--	46	635	--	
		5-14-58	--	7.9	124	73	280	12	27	--	--	560	235	0	--	1.2	0.9	--	--	49	610	--	
		11-12-58	--	7.5	146	61	280	17	50	--	--	470	290	0	--	1.0	1.5	--	--	49	620	--	16 hr. Composite
		5-19-59	--	8.0	164	78	324	17	31	--	--	606	345	0	--	--	1.2	--	--	48	728	--	
		11-4-59	--	7.3	160	67	280	18	36	--	--	575	294	0	--	0.7	1.1	--	--	47	675	--	8 hr. Composite
		4-12-60	--	8.0	170	78	320	16	37	--	--	597	360	0	--	0.6	1.4	--	--	48	745	--	8 hr. Composite
		11-23-60	--	7.7	148	72	328	16	36	--	--	538	360	0	--	0.8	0.75	--	--	51	665	--	18 hr. Composite
		10-16-61	--	7.5	150	65	290	11	29	--	--	517	306	3.5	--	0.8	1.4	--	--	--	640	--	
6	Port Hueneme Sanitary District	11-16-55	--	7.8	120	44	225	16	20	--	--	350	164	0.44	--	0.4	0.75	--	--	47	482	--	8 hr. Composite
		5-17-56	--	7.3	180	29	248	17	51	--	--	645	204	2.2	--	1.0	1.3	--	--	44	670	--	8 hr. Composite
		11-14-56	--	7.8	172	66	245	14	41	--	--	640	236	0.22	--	1.0	1.6	--	--	43	702	--	8 hr. Composite
		5-15-57	--	7.3	158	30	240	9	18	--	-	552	164	0.89	--	0.50	1.0	--	--	50	516	--	8 hr. Composite
		11-26-57	--	5.8	150	55	272	8	19	--	--	720	192	0	--	0.3	3.4	--	--	49	600	--	10 hr. Composite
		5-14-58	--	6.6	130	44	248	8	21	--	--	603	170	0	--	1.0	2.6	--	--	49	505	--	8 hr. Composite
		11-12-58	--	6.9	126	42	200	12	14	--	--	358	130	0	--	0.8	2.9	--	--	44	490	--	8 hr. Composite
		5-19-59	--	8.1	146	50	290	14	24	--	--	632	215	0	--	1.0	2.8	--	--	52	570	--	8 hr. Composite
		11-4-59	--	6.5	180	38	244	12	27	--	--	713	236	0	--	0.5	2.1	--	--	44	660	--	8 hr. Composite
		4-12-60	--	6.8	180	67	280	12	28	--	--	592	325	0	--	0.8	1.4	--	--	45	725	--	8 hr. Composite
		10-19-60	--	7.4	180	60	268	12	27	--	--	603	270	0	--	1.2	1.0	--	--	45	695	--	8 hr. Composite
		10-16-61	--	7.4	152	68	250	9.0	34	--	--	556	292	1.6	--	1.0	1.5	--	--	--	660	--	

TABLE C-4 (continued)

MINERAL ANALYSES OF WASTE WATER

LOS ANGELES REGION (NO. 4)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	N.C. (ppm)	Remarks
7	U.S. Naval Construction Battalion Center Port Hueneme	8-14-56	3,430	8.0	133 / 6.65	113 / 9.29	600 / 26.10	6.8 / 0.17	20 / 1.12	0 / 0.00	500 / 8.20	865 / 18.05	532 / 15.00	0 / 0.00	0.1	0.4 / 0.02	1.2	28	2,576	62	797	--	
8	Camarillo Sanitary District	11-12-58	--	7.3	120	44	292	17	5.1	--	250	354	350	0	--	1.0	0.9	--	1,500	55	480	--	8 hr. Composite
		5-19-59	--	8.3	112	59	296	17	0.26	--	--	370	364	3.1	--	3.6	1.3	--	--	54	520	--	9 hr. Composite
		11-4-59	--	7.5	124	35	380	20	14	--	--	312	470	0	--	0.3	1.0	--	1,690	63	452	--	8 hr. Composite
		4-12-60	--	8.2	98	45	400	20	13	--	--	376	455	1.5	--	0.4	1.0	--	--	66	430	--	8 hr. Composite
		10-19-60	--	7.8	106	53	340	18	31	--	--	412	330	0	--	1.2	0.7	--	--	60	480	--	8 hr. Composite
		10-3-61	--	7.9	102	49	335	14	35	--	--	440	280	0	--	0.3	1.5	--	--		460	--	
9	City of Los Angeles Hyperion Plant	11-9-55	--	7.4	46	24	210	18	19	--	--	119	246	17	--	1.2	0.70	--	--	61	213	--	
		5-16-56	--	7.9	44	27	212	18	28	--	--	165	234	1.6	--	1.5	1.1	--	--	65	220	--	
		11-15-56	--	7.3	53	25	210	16	23	--	--	184	244	0.44	--	1.4	0.2	--	--	64	234	--	
		5-9-57	--	7.6	47	27	212	18	32	--	--	157	230	0	--	0.60	0.75	--	--	65	229	--	
		11-20-57	--	7.4	63	7	212	12	27	--	--	120	234	0	--	1.0	1.4	--	--	70	186	--	
		5-15-58	--	7.7	66	22	200	16	19	--	--	192	215	0	--	1.8	1.2	--	--	61	255	--	
		11-19-58	--	7.2	46	23	208	17	23	--	--	143	230	0	--	1.6	1.1	--	--	66	210	--	
		5-19-59	--	7.4	62	11	240	17	21	--	--	210	252	0	--	1.2	1.0	--	--	66	250	--	
		10-22-59	--	7.8	50	23	176	17	24	--	--	164	228	2.5	--	1.2	1.3	--	--	61	220	--	
		4-6-60	--	7.6	40	28	176	15	27	--	--	170	190	0	--	1.2	1.2	--	--	62	215	--	1 Mile Outfall
		4-6-60	--	7.6	40	24	180	15	25	--	--	159	170	0	--	1.2	1.2	--	--	64	200	--	5 Mile Outfall
		10-19-60	--	7.6	72	26	240	16	31	--	--	98	345	0	--	1.0	1.0	--	--	63	285	--	5 Mile Outfall
		11-2-60	--	7.5	54	28	182	14	1	--	--	184	175	6	--	1.0	0.9	--	--	60	250	--	1 Mile Outfall
		9-26-61	--	7.1	48	31	210	16	9.7	--	--	158	274	2.2	--	0.9	1.2	--	--	--	245	--	1 Mile Outfall

TABLE C-4 (continued)

MINERAL ANALYSES OF WASTE WATER

LOS ANGELES REGION (NO. 4)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	N.C. (ppm)	Remarks
10	City of Los Angeles Terminal Island Plant	11-9-55	--	7.3	108	28	620	33	26	--	--	165	966	0	--	1.0	2.0	--	--	71	387	--	16 hr. composite
		5-16-56	--	7.5	65	65	690	37	60	--	--	263	1,040	1.5	--	1.5	1.9	--	--	76	430	--	16 hr. composite
		11-15-56	--	7.3	78	75	770	30	34	--	--	418	1,120	0.66	--	1.2	1.7	--	--	76	488	--	12 hr. composite
		5-9-57	--	7.3	66	69	710	34	41	--	--	304	1,070	0	--	0.20	1.9	--	--	76	448	--	12 hr. composite
		11-20-57	--	7.2	52	85	770	25	41	--	--	257	1,230	0	--	0.4	2.5	--	--	77	480	--	16 hr. composite
		5-15-58	--	7.3	80	78	750	30	37	--	--	348	1,140	0	--	1.0	1.0	--	--	75	520	--	16 hr. composite
		11-19-58	--	7.0	58	82	780	36	40	--	--	268	1,200	0	--	1.2	1.7	--	--	76	485	--	16 hr. composite
		5-19-59	--	8.1	108	114	1,610	42	35	--	--	525	1,810	0	--	1.2	1.8	--	--	76	736	--	12 hr. composite
		10-22-59	--	6.8	78	86	800	41	41	--	--	277	1,338	0	--	0.8	2.2	--	--	74	598	--	12 hr. composite
		4-6-60	--	7.3	60	53	550	22	37	--	--	360	715	0	--	0.9	1.7	--	--	74	385	--	12 hr. composite
		11-2-60	--	7.3	61	61	560	20	36	--	--	369	780	0	--	1.5	1.2	--	--	74	400	--	8 hr. composite
		9-26-61	--	7.0	80	74	725	28	33	--	--	382	1,068	4.0	--	0.9	1.7	--	--	--	504	--	
11	County Sanitation Districts of Los Angeles County Joint Disposal Plant	11-9-55	--	7.3	143	59	520	27	30	--	--	318	900	0	--	1.4	1.6	--	--	60	599	--	
		5-16-56	--	7.6	108	47	440	26	31	--	--	269	680	1.3	--	4.0	1.5	--	--	66	462	--	
		11-15-56	--	7.4	133	56	520	21	33	--	--	283	870	4.4	--	1.8	1.5	--	--	68	562	--	
		5-9-57	--	7.3	116	48	440	23	29	--	--	271	660	0	--	2.4	1.1	--	--	65	485	--	
		11-20-57	--	7.4	80	44	450	20	35	--	--	220	630	0	--	0.3	2.0	--	--	71	380	--	
		5-15-58	--	7.6	94	41	420	20	32	--	--	249	595	0	--	1.6	1.8	--	--	68	405	--	
		11-19-58	--	7.2	82	36	415	24	41	--	--	217	545	0	--	4.8	1.4	--	--	70	355	--	
		5-19-59	--	7.2	113	32	400	21	25	--	--	218	564	0	--	1.0	1.5	--	1,965	66	412	--	

TABLE C-4 (continued)

MINERAL ANALYSES OF WASTE WATER

LOS ANGELES REGION (NO. 4)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
11	County Sanitation Districts of Los Angeles County Joint Disposal Plant (continued)	10-22-59	--	6.8	100	40	345	23	30	--	--	234	540	0	--	5.0	1.5	--	--	63	412	--	
		4-6-60	--	7.6	82	39	395	21	34	--	--	259	520	0	--	1.4	1.5	--	--	69	365	--	
		11-2-60	--	7.4	86	46	360	16	22	--	--	215	520	0	--	2.0	1.0	--	--	65	310	--	
		5-2-61	--	7.5	110	39	370	18	25	--	--	259	510	0	--	2.0	1.6	--	--	64	435	--	
		9-26-61	--	7.0	86	40	330	16	33	--	--	238	474	2.2	--	2.7	1.5	--	--	--	380	--	
12	County Sanitation Districts of Los Angeles County Lucky Lager Plant	11-10-57	--	7.5	--	--	--	--	--	--	--	28	19	16	--	--	--	--	524	--	--	--	30 day composite
		3-29-59	--	7.4	--	--	--	--	--	--	--	24	160	0.0	--	0.20	0.30	--	716	--	--	--	30 day composite
		7-19-59	--	5.8	--	--	--	--	--	--	--	29	0.0	Trace	--	0.16	0.00	--	484	--	--	--	31 day composite
13	County Sanitation Districts of Los Angeles County Azusa Plant	11-9-55	--	7.2	50	17	66	13	0	--	--	45	50	47	--	0.4	0.40	--	--	40	195	--	8 hr. composite
		5-16-56	--	7.3	38	24	76	14	7	--	--	87	70	4.7	--	0.3	0.0	--	--	44	196	--	8 hr. composite
		11-15-56	--	7.1	47	25	68	31	19	--	--	90	54	34	--	1.2	0.4	--	--	34	245	--	5 hr. composite
		5-9-57	--	7.1	45	25	66	13	14	--	--	55	54	24	--	0.20	0.4	--	--	38	214	--	5 hr. composite
		7-10-57	735	7.3	39 / 1.95	28 / 2.30	63 / 2.74	33 / 0.84	3.6 / 0.20	0 / 0.00	253 / 4.16	58 / 1.21	62 / 1.75	55 / 0.89	36	0.4 / 0.02	0.16	--	518	--	--	--	Grab
		11-20-57	--	7.2	63	15	60	30	26	--	--	55	52	36	--	0.5	0.50	--	--	36	220	--	8 hr. composite
		5-20-58	--	7.2	46	29	54	34	21	--	--	64	53	15	--	1.4	0.4	--	--	30	235	--	8 hr. composite
		11-19-58	--	7.3	52	21	71	38	28	--	--	42	60	0	--	0.6	0.4	--	--	36	215	--	8 hr. composite
		5-19-59	--	8.3	--	--	64	38	13	--	--	58	51	9.7	--	--	0.4	--	--	38	174	--	8 hr. composite
		10-22-59	--	7.3	50	22	65	35	19	--	--	54	52	39	--	0.4	0.5	--	--	35	216	--	8 hr. composite
		4-6-60	--	7.6	40	27	58	29	21	--	--	53	55	30	--	0.4	0.6	--	--	34	210	--	8 hr. composite
		11-2-60	--	7.4	42	32	57	33	9	--	--	65	45	12	--	1.0	0.5	--	--	31	235	--	8 hr. composite
		9-26-61	--	7.5	63	28	78	31	19	--	--	69	54	0.9	--	0.5	0.8	--	--	--	270	--	

TABLE C-4 (continued)

MINERAL ANALYSES OF WASTE WATER

LOS ANGELES REGION (NO. 4)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	N.C. (ppm)	Remarks
14	County Sanitation Districts of Los Angeles County Pomona Plant	11-9-55	--	7.5	45	18	104	14	28	--	--	38	109	0	--	0.5	0.40	--	--	44	186	--	8 hr. composite
		5-16-56	--	7.5	45	24	115	14.8	15	--	--	50	134	5.0	--	0.9	1.0	--	--	53	208	--	8 hr. composite
		5-19-57	--	7.4	51	21	110	15	35	--	--	51	142	0	--	0.30	0.88	--	--	51	214	--	8 hr. composite
		11-20-57	--	7.4	55	15	120	12	36	--	--	54	158	0	--	0.4	0.90	--	--	55	200	--	8 hr. composite
		5-15-58	--	7.4	56	13	114	12	21	--	--	67	135	3.1	--	1.5	2.2	--	--	54	195	--	8 hr. composite
		11-19-58	--	7.4	62	18	140	15	39	--	--	60	145	0	--	0.6	0.8	--	--	55	230	--	8 hr. composite
		5-19-59	--	8.1	47	14	88	14	22	--	--	58	107	4.0	--	0.6	0.6	--	--	50	175	--	12 hr. composite
		10-22-59	--	7.5	54	16	88	16	36	--	--	58	98	0	--	0.9	0.8	--	--	47	200	--	8 hr. composite
		4-6-60	--	7.8	44	21	118	12	24	--	--	57	145	0	--	0.6	0.8	--	--	55	195	--	8 hr. composite
		11-2-60	--	7.2	56	15	100	11	22	--	--	64	125	1.3	--	0.5	0.7	--	--	50	200	--	8 hr. composite
		9-26-61	--	7.7	58	11	114	11	27	--	--	69	118	0.44	--	0.6	1.0	--	--	--	190	--	

TABLE C-5

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
1	City of Redding	6-20-56	441	7.2	11 / 0.55	7.8 / 0.64	37 / 1.61	7.3 / 0.19	22 / 1.23	0 / 0.00	184 / 3.02	23 / 0.48	24 / 0.68	0.50 / 0.01	16 / 0.51	--	0.37	24	226[a]	54	59	0	
		7-10-57	375	6.5	11 / 0.55	8.9 / 0.73	32 / 1.39	7.2 / 0.18	19 / 1.05	0 / 0.00	168 / 2.75	14 / 0.29	21 / 0.59	0.2 / 0.00	5.6 / 0.1	0.8 / 0.04	0.24	29	226[a]	36	64	0	
		6-8-60	444	7.3	15 / 0.75	6.9 / 0.57	36 / 1.57	7.4 / 0.19	20 / 1.11	0 / 0.00	181 / 2.97	17 / 0.35	25 / 0.70	11 / 0.18	19 / 0.60	--	0.2	28	274[a]	37	66	0	
		11-14-60	524	7.0	11 / 0.55	12 / 0.99	42 / 1.83	10 / 0.26	24 / 1.33	0 / 0.00	213 / 3.49	5.8 / 0.12	31 / 0.87	1.9 / 0.03	28 / 0.88	--	0.4	28	260	36	77	0	
		1-16-61	544	6.9	--	--	46 / 2.00	10 / 0.26	26 / 1.44	--	--	--	26 / 0.73	2.1 / 0.03	26 / 0.82	--	0.5	--	--	52	80	—	
		2-14-61	374	7.5	16 / 0.80	9.7 / 0.80	33 / 1.44	4.4 / 0.11	4.8 / 0.27	0 / 0.00	158 / 2.59	27 / 0.56	19 / 0.54	2.7 / 0.06	11 / 0.35	--	0.2	25	213[a]	37	80	0	
		3-20-61	409	7.0	--	--	35 / 1.52	7.5 / 0.19	10 / 0.55	--	--	—	19 / 0.54	2.7 / 0.04	19 / 0.60	--	0.1	--	232	46	80	--	
		4-18-61	508	7.4	11 / 0.55	10 / 0.87	47 / 2.04	9.5 / 0.24	24 / 1.33	0 / 0.00	200 / 3.28	27 / 0.56	26 / 0.73	1.0 / 0.02	32 / 1.01	0.4 / 0.02	0.3	30	260[a]	40	71	0	
		5-23-61	480	--	--	--	61 / 2.65	8.0 / 0.20	--	--	--	--	26 / 0.73	--	--	--	0.1	--	262	64	66	--	
		6-12-61	511	7.2	17 / 0.85	6.7 / 0.55	45 / 1.96	9.6 / 0.24	24 / 1.33	0 / 0.00	192 / 3.15	23 / 0.48	26 / 0.73	0.9 / 0.01	29 / 0.92	0.3 / 0.02	0.4	30	280	40	70	0	
2	City of Red Bluff	6-20-56	468	7.3	17 / 0.85	12 / 0.98	44 / 1.91	8.4 / 0.22	18 / 0.99	0 / 0.00	248 / 4.07	12 / 0.25	16 / 0.45	0.30 / 0.01	15 / 0.47	--	0.26	60	292[a]	52	92	0	
		7-10-57	481	7.2	17 / 0.85	13 / 1.07	42 / 1.83	8.1 / 0.21	18 / 1.00	0 / 0.00	246 / 4.03	11 / 0.23	18 / 0.51	0.3 / 0.00	5.0 / 0.16	1.0 / 0.05	0.24	60	310[a]	37	96	0	
		6-8-60	526	7.7	24 / 1.20	9.7 / 0.80	49 / 2.13	7.8 / 0.20	21 / 1.16	0 / 0.00	260 / 4.26	15 / 0.31	19 / 0.54	18 / 0.29	16 / 0.51	--	0.1	52	360[a]	39	100	0	
		11-14-60	749	7.2	15 / 0.75	16 / 1.33	80 / 3.48	10 / 0.26	21 / 1.17	0 / 0.00	268 / 4.39	20 / 0.42	70 / 1.97	2.1 / 0.03	27 / 0.85	--	0.2	54	397[a]	49	104	0	
		1-16-61	846	7.1	--	--	99 / 4.31	12 / 0.31	29 / 1.61	—	--	--	84 / 2.37	2.8 / 0.04	27 / 0.85	--	0.4	--	—	65	99	--	
		2-14-61	831	7.4	--	--	99 / 4.31	9.2 / 0.24	19 / 1.05	--	--	--	81 / 2.28	--	26 / 0.82	--	0.4	--	432	65	105	--	
		3-20-61	649	7.7	23 / 1.15	10 / 0.85	75 / 3.26	10 / 0.26	30 / 1.66	0 / 0.00	274 / 4.49	21 / 0.44	52 / 1.47	2.7 / 0.04	32 / 1.01	0.4 / 0.02	0.5	54	384[a]	45	100	0	
		4-18-61	937	7.6	16 / 0.80	14 / 1.18	116 / 5.05	11 / 0.28	36 / 2.00	0 / 0.00	325 / 5.33	23 / 0.48	108 / 3.04	1.4 / 0.02	36 / 1.14	0.6 / 0.03	0.3	56	506[a]	54	99	0	
		5-23-61	1,000	--	--	--	142 / 6.18	10 / 0.26	--	--	--	--	142 / 4.00	--	--	--	0.2	--	560	72	104	--	
		6-12-61	716	7.6	19 / 0.95	12 / 1.01	75 / 3.26	9.0 / 0.23	29 / 1.61	0 / 0.00	286 / 4.69	18 / 0.37	59 / 1.66	0.9 / 0.01	32 / 1.01	0.4 / 0.02	0.2	55	407	46	98	0	

a - Summation

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
3	City of Chico	6-19-56	568	7.3	17 / 0.85	18 / 1.48	49 / 2.13	7.2 / 0.18	24 / 1.32	0 / 0.00	277 / 4.54	13 / 0.27	32 / 0.90	0.40 / 0.01	--	--	0.30	58	331[a]	46	116	0	
		7-9-57	487	7.1	19 / 0.95	16 / 1.33	44 / 1.91	5.7 / 0.15	16 / 0.89	0 / 0.00	227 / 3.72	1.9 / 0.04	36 / 1.02	0.3 / 0.00	--	1.2 / 0.06	0.29	58	310[a]	37	114	0	
		7-21-60	356	7.3	18 / 0.90	7.3 / 0.60	44 / 1.91	7.0 / 0.18	1.7 / 0.09	0 / 0.00	142 / 2.33	10 / 0.21	32 / 0.90	0.7 / 0.01	8.5 / 0.27	--	0.2	49	248[a]	52	75	0	
		4-20-61	459	7.4	21 / 1.05	13 / 1.05	27 / 1.17	6.5 / 0.17	14 / 0.78	0 / 0.00	208 / 3.41	11 / 0.23	21 / 0.59	0.9 / 0.01	14 / 0.44	0.2 / 0.01	0.2	47	254	28	105	0	
4	City of Oroville	6-18-56	470	7.3	7.1 / 0.35	3.7 / 0.31	46 / 2.00	9.3 / 0.24	31 / 1.71	0 / 0.00	192 / 3.15	22 / 0.46	29 / 0.82	0.80 / 0.01	23 / 0.73	--	0.44	23	236	69	33	0	
		8-27-59	529	7.0	12 / 0.60	11 / 0.90	40 / 1.74	10 / 0.26	28 / 1.55	0 / 0.00	204 / 3.34	21 / 0.44	29 / 0.82	0.20 / 0.00	24 / 0.76	--	0.20	27	302		76	0	
		8-11-60	560	5.3	14 / 0.70	16 / 1.36	98 / 4.26	14 / 0.36	0.7 / 0.04	0 / 0.00	96 / 1.57	0.2 / 0.00	39 / 1.10	1.6 / 0.02	/ 1.8	--	0.2	30	260	63	103	2.4	
		3-23-61	435	7.5	--	--	--	--	--	--	--	--	28 / 0.79	--	--	0.4 / 0.02	--	--	--	--	--	--	
5	City of Gridley	6-21-56	725	7.3	28 / 1.40	33 / 2.74	54 / 2.35	8.7 / 0.22	2.5 / 0.14	0 / 0.00	393 / 6.44	11 / 0.23	23 / 0.65	0.30 / 0.00	--	--	0.25	69	421	35	207	0	
		7-9-57	685	7.1	24 / 1.20	32 / 2.60	43 / 1.87	9.5 / 0.24	17 / 0.94	0 / 0.00	359 / 5.88	21 / 0.44	23 / 0.65	0.4 / 0.01	22 / 0.69	1.6 / 0.08	0.25	78	421	27	190	0	
		2-9-59	194	6.5	7.4 / 0.37	1.3 / 0.11	15 / 0.65	5.4 / 0.14	5.9 / 0.33	0 / 0.00	30 / 0.49	9.2 / 0.19	14 / 0.39	17 / 0.27	12 / 0.38	--	0.32	13	98	--	24	0	
		8-27-59	717	7.1	24 / 1.20	29 / 2.40	44 / 1.91	11 / 0.28	29 / 1.61	0 / 0.00	335 / 5.49	8.9 / 0.18	37 / 1.04	0.7 / 0.01	24 / 0.76	--	0.1	66	439	--	180	0	
		3-23-61	652	7.5	--	--	--	--	--	--	--	--	34 / 0.86	--	--	0.5 / 0.03	--	--	--	--	--	--	
6	Yuba City	6-21-56	662	7.4	25 / 1.25	22 / 1.78	70 / 3.04	8.3 / 0.21	--	0 / 0.00	233 / 3.82	17 / 0.35	55 / 1.55	0.20 / 0.00	12 / 0.38	--	0.46	54	367	48	152	0	
		7-11-57	644	6.9	26 / 1.30	23 / 1.90	64 / 2.78	9.2 / 0.24	8.3 / 0.46	0 / 0.00	303 / 4.97	12 / 0.25	49 / 1.38	0.2 / 0.00	--	0.7 / 0.04	0.47	59	401	42	160	0	
		8-27-59	746	5.9	23 / 1.15	18 / 1.51	113 / 4.92	18 / 0.46	1.6 / 0.09	0 / 0.00	408 / 6.69	7.0 / 0.14	46 / 1.30	0.1 / 0.00	7.4 / 0.23	--	0.6	56	492	60	133	0	
		3-28-61	345	7.3	--	--	--	--	--	--	--	--	56 / 1.58	--	--	0.1 / 0.00	--	--	--	--	--	--	

a - Summation

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
7	City of Marysville	6-21-56	738	7.4	29/1.45	26/2.16	62/2.70	9.0/0.23	4.7/0.26	0/0.00	276/4.52	33/0.69	55/1.55	0.40/0.01	22/0.69	--	0.38	59	410	41	180	0	
		7-11-57	783	7.0	33/1.65	27/2.21	65/2.83	7.4/0.19	17/0.94	0/0.00	276/4.52	33/0.69	55/1.55	0.40/0.01	22/0.69	--	0.38	59	410	41	180	0	
		9-10-59	378	7.3	11/0.55	7.7/0.63	35/1.52	6.6/0.17	14/0.78	0/0.00	141/2.31	19/0.40	18/0.51	7.4/0.12	20/0.63	--	0.2	59	267	42	59	0	
		8-27-59	638	8.7	24/1.20	12/0.96	86/3.47	11/0.28	2.0/0.11	15/0.50	142/2.33	29/0.60	98/2.76	1.3/0.02	7.5/0.24	--	0.2	32	388	59	108	0	
		3-23-61	401	7.6	--	--	--	--	--	--	--	--	84/2.37	--	--	0.9/0.05	--	--	--	--	--	--	
8	City of Grass Valley	6-26-56	154	6.7	6.0/0.30	3.4/0.28	12/0.52	4.3/0.11	4.3/0.24	0/0.00	18/0.30	15/0.31	15/0.42	22/0.36	--	--	0.17	16	107	43	29	14	
		7-15-57	188	6.5	8.0/0.40	1.7/0.16	15/0.65	4.3/0.11	6.6/0.37	0/0.00	42/0.69	8.6/0.18	12/0.34	16/0.26	2.2/0.69	0.8/0.04	0.11	15	110	38	28	0	
		8-28-59	194	6.5	7.4/0.37	1.3/0.11	15/0.65	5.4/0.14	5.9/0.33	0/0.00	30/0.49	9.2/0.19	14/0.39	17/0.27	12/0.38	--	0.32	13	98	41	24	0	
		4-24-61	259	6.9	--	--	--	--	--	--	--	--	12/0.34	--	--	0.2/0.01	--	--	--	--	--	--	
9	City of Auburn	6-27-56	408	7.3	6.0/0.30	6.6/0.54	34/1.48	8.0/0.21	12/0.67	0/0.00	174/2.86	15/0.31	22/0.62	0.50/0.01	--	--	0.36	21	211	58	42	0	
		7-16-57	260	6.7	12/0.60	5.0/0.41	24/1.04	4.8/0.12	0.5/0.03	0/0.00	45/0.74	8.1/0.17	16/0.45	33/0.53	9.8/0.31	1.4/0.07	0.17	18	145	47	51	14	
		8-28-59	393	7.1	8.1/0.40	3.9/0.32	32/1.39	8.4/0.21	18/1.00	0/0.00	90/1.48	11/0.23	33/0.93	21/0.34	22/0.69	--	0.48	14	216	42	36	0	
		4-24-61	544	7.3	--	--	--	--	--	--	--	--	44/1.24	--	--	0.6/0.03	--	--	--	--	--	--	
10	City of Roseville	-26-56	373	7.3	8.0/0.40	6.3/0.52	36/1.57	7.3/0.19	0.0/0.00	0.0/0.00	134/2.20	42/0.88	26/0.73	2.6/0.04	--	--	0.40	33	228	59	46	0	
		7-16-57	404	7.4	9.6/0.48	4.9/0.40	31/1.35	8.0/0.20	27/1.50	0/0.00	145/2.38	18/0.37	31/0.87	0.2/0.00	--	1.5/0.08	0.61	31	234	34	44	0	
		9-10-59	449	7.2	9.1/0.45	6.4/0.53	38/1.65	8.2/0.21	23/1.27	0/0.00	150/2.46	17/0.35	33/0.93	1.0/0.02	24/0.76	--	0.4	32	266	40	49	0	
		4-24-61	595	7.4	--	--	--	--	--	--	--	--	48/1.35	--	--	0.2/0.01	--	--	--	--	--	--	
11	City of Placerville	8-27-59	415	6.9	7.9/0.39	2.8/0.23	36/1.57	10/0.26	24/1.33	0/0.00	125/2.05	11/0.23	37/1.04	1.0/0.02	20/0.63	--	0.00	18	229	42	31	0	
		-16-61	418	--	--	--	--	--	--	--	--	--	--	--	--	0.03	--	--	--	--	--	--	

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in ppm / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
12	Sacramento County Sanitation District No. 6	6-27-56	600	7.2	13 / 0.65	21 / 1.73	70 / 3.04	10 / 0.26	0.3 / 0.02	0 / 0.00	164 / 2.69	33 / 0.69	82 / 2.31	18 / 0.29	--	--	0.37	95	424	53	119	0	
		7/15-16/57	717	7.5	22 / 1.10	16 / 1.35	75 / 3.26	11 / 0.28	6.5 / 0.36	0 / 0.00	135 / 2.21	32 / 0.67	92 / 2.59	2.3 / 0.37	41 / 1.20	3.0 / 0.16	0.50	93	441	51	122	11	
		9-10-59	626	7.4	15 / 0.75	17 / 1.37	67 / 2.91	11 / 0.28	12 / 0.66	0 / 0.00	175 / 2.87	20 / 0.42	69 / 1.94	10 / 0.16	24 / 1.07	--	0.8	85	427	49	106	0	
		4-24-61	792	7.3	--	--	--	--	--	--	--	--	96	--	--	0.4 / 0.02	--	--	--	--	--	--	
13	McClellan Air Force Base	6-30-56	558	7.4	17 / 0.85	16 / 1.35	44 / 1.91	9.7 / 0.25	0.0 / 0.00	0 / 0.00	213 / 3.49	14 / 0.29	46 / 1.30	7.9 / 0.13	--	--	0.93	81	342	44	110	0	
		6-3-59	590	7.3	16 / 0.80	16 / 1.32	50 / 2.18	12 / 0.31	19 / 1.05	0 / 0.00	195 / 3.20	23 / 0.48	56 / 1.58	8.6 / 0.14	20 / 0.63	0.8 / 0.04	0.24	87	405	39	104	0	
		9-10-59	577	7.5	16 / 0.80	16 / 1.30	51 / 2.22	9.78 / 0.25	16 / 0.89	0 / 0.00	191 / 3.13	21 / 0.44	52 / 1.47	14 / 0.22	13 / 0.41	--	1.0	83	387	41	105	0	
14	City of Woodland	6-25-56	1260	7.1	43 / 2.15	46 / 3.77	138 / 6.00	9.8 / 0.25	22 / 1.22	0 / 0.00	472 / 7.74	30 / 0.62	160 / 4.51	0.40 / 0.01	--	--	2.1	35	719	49	296	0	
		7-15-57	1250	7.1	40 / 2.00	42 / 3.44	134 / 5.83	8.4 / 0.21	20 / 1.11	0 / 0.00	420 / 6.88	31 / 0.65	181 / 5.10	0.3 / 0.00	--	1.0 / 0.05	2.0	30	697	46	272	0	
		9-10-59	1240	7.7	44 / 2.20	41 / 3.37	131 / 5.70	9.5 / 0.24	19 / 1.05	0 / 0.00	438 / 7.18	32 / 0.67	168 / 4.74	0.8 / 0.01	20 / 0.63	--	2.1	29	712	45	279	0	
		4-10-61	1280	8.9	40 / 2.00	41 / 3.39	175 / 7.61	11.0 / 0.28	-- / 0.20	55 / 1.83	275 / 4.51	21 / 0.44	225 / 6.34	0.3 / 0.00	--	0.5 / 0.03	2.2	22	728	56	270	0	
15	City of Davis	6-25-56	1430	7.5	34 / 1.70	71 / 5.86	150 / 6.52	8.8 / 0.23	21 / 1.17	0 / 0.00	588 / 9.64	70 / 1.46	149 / 4.20	0.30 / 0.00	--	--	1.2	48	843	46	378	0	
		7-15-57	1170	7.5	34 / 1.70	60 / 4.90	111 / 4.83	8.0 / 0.20	19 / 1.05	0 / 0.00	574 / 9.41	33 / 0.69	75 / 2.12	0.3 / 0.00	--	1.6 / 0.08	0.94	42	668	38	330	0	
		9-10-59	1480	8.9	27 / 1.35	60 / 4.94	238 / 10.35	15 / 0.38	12 / 0.66	0 / 0.00	723 / 8.82	59 / 1.23	136 / 3.84	3.7 / 0.06	13 / 0.41	--	1.9	21	942	58	315	0	
		4-24-61	1120	8.4	--	--	--	--	--	--	--	--	85 / 2.40	--	--	0.5 / 0.03	--	--	--	--	--	--	

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
16	West Sacramento Sanitation District	9/19-20/55	1890	7.4	56 / 2.77	39 / 3.16	231 / 10.05	18 / 0.46	--	0 / 0.00	460 / 7.55	30 / 0.63	357 / 10.07	1.2 / 0.02	--	4.0 / 0.22	0.65	56	1050	61	287	0	
		6-3-59	1340	7.2	32 / 1.60	30 / 2.48	171 / 7.44	14 / 0.36	33 / 1.83	0 / 0.00	350 / 5.74	26 / 0.54	229 / 6.46	0.3 / 0.00	32 / 1.01	1.2 / 0.06	0.86	58	798	54	204	0	
		9-10-59	1190	7.4	26 / 1.30	32 / 2.66	127 / 5.52	13 / 0.33	29 / 1.61	0 / 0.00	334 / 5.47	18 / 0.37	182 / 5.13	2.6 / 0.04	25 / 0.79	--	0.7	50	669	48	198	0	
		12-13-60	1250	7.3	20 / 1.00	30 / 2.46	138 / 6.00	15 / 0.38	-- / 2.00	0 / 0.00	350 / 5.74	24 / 0.50	194 / 5.47	1.4 / 0.02	--	--	0.9	47	642	51	173	0	Influent
		3-3-61	1540	7.6	25 / 1.25	25 / 2.03	206 / 8.96	13 / 0.33	34 / --	0 / 0.00	372 / 6.10	27 / 0.56	274 / 7.73	0.9 / 0.01	--	--	1.4	45	800	61	164	0	
		4-21-61	1470	7.6	27 / 1.35	27 / 2.21	170 / 7.40	20 / 0.51	-- / 2.11	0 / 0.00	329 / 5.39	35 / 0.73	240 / 6.77	2.8 / 0.04	--	0.2 / 0.01	1.0	44	729	64	178	0	
		6-21-61	1280	7.5	35 / 1.75	24 / 2.01	158 / 6.87	12 / 0.31	-- / 1.50	0 / 0.00	336 / 5.51	26 / 0.54	214 / 6.03	0.2 / 0.00	--	0.2 / 0.01	1.0	49	684	55	188	0	
17	City of Sacramento	9/19-21/55	685	7.4	23 / 1.15	20 / 1.65	63 / 2.74	17 / 0.42	--	0 / 0.00	239 / 3.92	32 / 0.66	72 / 1.05	0.30 / 0.00	--	1.0 / 0.05	0.27	50	410	46	140	0	
		10-6-58 (b)	--	--	--	--	--	--	--	--	--	--	18 / 0.508	--	--	--	0.27	--	410	46	--	--	
		9-2-59	703	6.4	25 / 1.25	18 / 1.45	75 / 3.26	18 / 0.46	10 / 0.55	0 / 0.00	277 / 4.54	14 / 0.29	73 / 2.06	0.4 / 0.01	8.8 / 0.28	--	0.20	47	425	47	135	0	
		1-30-61	716	--	--	2.18 / --	80 / 3.48	10 / 0.26	--	--	--	--	72 / 2.03	--	--	--	0.5	--	--	--	109	0	
		3-3-61	704	7.3	26 / 1.30	16 / 1.36	62 / 2.70	11 / 0.28	-- / 0.94	0 / 0.00	240 / 4.03	34 / 0.71	71 / 2.00	0.5 / 0.01	--	--	0.4	43	403	37	133	0	
		3-28-61	738	--	--	-- / 2.72	77 / 3.35	16 / 0.41	--	--	--	--	76 / 2.14	--	--	--	0.2	--	447	52	136	0	
		4-21-61	707	7.1	27 / 1.35	17 / 1.37	60 / 2.61	14 / 0.36	-- / 1.33	0 / 0.00	207 / 3.39	31 / 0.64	70 / 1.97	2.1 / 0.03	--	0.3 / 0.02	0.6	41	365	46	136	0	
		6-21-61	642	7.2	32 / 1.60	14 / 1.20	54 / 2.35	7.9 / 0.20	-- / 0.72	0 / 0.00	209 / 3.42	21 / 0.44	73 / 2.06	0.1 / 0.00	--	0.2 / 0.01	0.2	45	350	39	140	0	
18	Parkway Estates	9-2-59	606	7.3	12 / 0.60	14 / 1.18	60 / 2.61	12 / 0.31	-- / 0.72	0 / 0.00	184 / 3.02	21 / 0.44	51 / 1.44	21 / 0.34	-- / 0.65	--	0.4	66	401	48	59	0	
		4-26-61	664	7.9	14 / 0.70	13 / 1.06	57 / 2.48	12 / 0.31	35 / 1.94	0 / 0.00	276 / 4.52	20 / 0.42	43 / 1.21	1.2 / 0.02	35 / --	0.2 / 0.01	0.3	64	342	38	88	0	
19	Sacramento County Sanitation District No. 3	9-10-59	504	7.3	12 / 0.60	18 / 1.46	44 / 1.91	11 / 0.28	10 / 0.55	0 / 0.00	170 / 2.79	13 / 0.27	39 / 1.10	12 / 0.19	28 / --	--	0.4	68	339	40	103	0	
		4-6-61	587	7.5	--	1.94 / --	57 / 2.48	2.4 / 0.06	--	--	--	--	6.0 / 1.69	--	--	0.4 / --	0.3 / 0.02	--	398	55	97	0	

(b) Analysis made by discharging agency.

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N C (ppm)	Remarks
20	Cordova Sewer Maintenance District	9-2-59	640	7.5	11 / 0.55	20 / 1.61	59 / 2.57	13 / 0.33	21 / 1.16	0 / 0.00	238 / 3.90	25 / 0.52	47 / 1.32	0.7 / 0.01	43 / 1.36	--	0.4	56	413	41	108	0	
		8-2-60	669	7.7	11 / 0.55	18 / 1.51	51 / 2.22	13 / 0.33	31 / 1.72	0 / 0.00	261 / 4.28	23 / 0.48	49 / 1.38	0.5 / 0.01	44 / --	--	0.2	65	359	35	103	0	
		4-20-61	694	7.8	19 / 0.95	13 / 1.09	56 / 2.44	14 / 0.36	2.4 / 0.13	0 / 0.00	293 / 4.80	30 / 0.62	37 / 1.04	1.9 / 0.03	43 / --	0.2 / 0.01	0.5	48	410	49	102	0	
21	Mather Air Force Base	6-28-56	359	7.2	8.8 / 0.44	8.5 / 0.70	56 / 1.57	7.3 / 0.10	0.0 / 0.00	0 / 0.00	140 / 2.30	25 / 0.52	14 / 0.40	8.0 / 0.13	--	--	0.25	59	236	56	57	0	
		6-3-59	265	9.4	9.6 / 0.48	5.6 / 0.46	37 / 1.61	8.2 / 0.21	2.9 / 0.16	22 / 0.73	22 / 0.36	10 / 0.21	25 / 0.70	0.6 / 0.01	20 / 0.63	0.8 / 0.04	0.35	65	207	55	47	11	
		9-10-59	378	7.3	11 / 0.55	7.7 / 0.63	35 / 1.52	6.6 / 0.17	14 / 0.78	0 / 0.00	141 / 2.31	19 / 0.40	18 / 0.51	7.4 / 0.12	20 / 0.63	--	0.2	59	267	42	59	0	
22	City of Vacaville - Brown Street Plant	8-4-60	110	8.1	53 / 2.64	31 / 2.57	145 / 6.31	19 / 0.49	5.3 / 0.29	0 / 0.00	270 / 7.70	66 / 1.30	100 / 2.82	1.0 / 0.02	22 / --	--	--	0.6	68	51	261	0	
		4-5-61	917	8.0	--	--	--	--	--	--	--	--	88 / 2.48	--	--	0.2 / 0.01	--	--	--	--	--	--	
24	Fibreboard Products - Antioch Division	9-17-56	717	6.2	28 / 1.40	12 / 1.00	95 / 4.13	4.8 / 0.12	--	0 / 0.00	128 / 2.10	27 / 0.56	140 / 3.95	1.4 / 0.02	--	--	1.5	27	400	62	120	15	
		8-20-57	3930	6.1	47 / 2.35	61 / 5.01	--	25 / 0.64	--	0 / 0.00	144 / 2.36	--	1150 / 32.43	1.2 / 0.02	0.00 / 0.00	0.6 / 0.03	1.2	11	2170	78	368	250	
		8-11-59	9710	6.5	88 / 4.39	233 / 19.19	1810 / 78.74	63 / 1.61	0.2 / 0.01	0 / 0.00	67 / 1.10	533 / 11.10	3240 / 91.37	2.2 / 0.04	0 / 0.00	--	1.5	7.2	6010	76	1180	1120	
25	City of Antioch	9-21-56	1380	7.1	27 / 1.35	38 / 3.09	141 / 6.13	14 / 0.36	47 / 2.61	0 / 0.00	376 / 6.16	154 / 3.21	145 / 4.09	0.9 / 0.01	--	--	0.48	32	737	56	222	0	
		8-19-57	1370	7.4	35 / 1.75	26 / 2.13	169 / 7.35	16 / 0.41	45 / 2.49	0 / 0.00	299 / 4.90	135 / 2.81	188 / 5.30	0.8 / 0.01	53 / 1.67	3.6 / 0.19	0.89	33	754	52	194	0	
		8-7-59	2580	7.3	51 / 2.54	58 / 4.79	370 / 16.10	22 / 0.56	39 / 2.16	0 / 0.00	293 / 4.80	220 / 4.58	587 / 16.55	0.7 / 0.01	32 / 1.01	--	0.8	26	1550	62	367	127	
		9-20-60	1690	7.3	25 / 1.25	34 / 2.81	228 / 9.92	17 / 0.43	-- / 2.05	0 / 0.00	262 / 4.29	117 / 2.44	324 / 9.19	0.6 / 0.01	--	--	0.8	33	908	60	203	0	
26	Crown Zellerbach Corporation	6-1-59	948	7.0	23 / 1.15	19 / 1.55	128 / 5.57	5.3 / 0.14	0.3 / 0.00	0 / 0.00	79 / 1.29	61 / 1.27	211 / 5.95	2.2 / 0.04	0.00 / 0.00	0.1 / 0.00	0.22	14	--	66	135	70	
		8-11-59	6720	7.2	54 / 2.69	157 / 12.95	1230 / 53.50	41 / 1.05	0.3 / 0.02	0 / 0.00	99 / 1.62	316 / 6.58	2160 / 60.91	2.2 / 0.04	0.0 / 0.00	--	0.3	7.0	4020	76	783	702	

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	N.C. (ppm)	Remarks
27	Fibreboard Products - San Joaquin Division	9-21-56	879	7.6	19 / 0.95	8.9 / 0.73	171 / 7.44	7.6 / 0.19	--	0 / 0.00	280 / 4.59	61 / 1.27	97 / 2.74	4.2 / 0.07	--	--	2.3	15	524	80	84	0	
		8-21-57	3500	6.9	183 / 9.13	48 / 3.93	493 / 21.45	19 / 0.49	--	0 / 0.00	183 / 3.00	234 / 4.87	940 / 26.51	7.8 / 0.13	0.00 / 0.00	0.8 / 0.04	1.1	12	2030	61	653	503	
		8-11-59	9200	7.4	246 / 12.28	191 / 15.69	1620 / 70.47	53 / 1.36	-- / 0.02	0 / 0.00	371 / 6.08	487 / 10.14	3010 / 84.88	1.3 / 0.02	0 / 0.00	--	2.8	11	5800	70	1400	1100	
28	E. I. DuPont Company	4-24-59 (b)	--	--	--	--	--	--	--	--	--	--	55,810 / 1574.84	--	--	--	--	--	--	--	--	--	
29	City of Lodi	7-11-56	737	7.4	25 / 1.25	20 / 1.62	69 / 3.00	13 / 0.33	25 / 1.39	0 / 0.00	314 / 5.15	27 / 0.56	57 / 1.61	0.0 / 0.00	26 / 0.82	--	0.49	76	467	48	144	0	
		7/17-18/57	674	7.6	31 / 1.55	14 / 1.18	59 / 2.57	12 / 0.31	--	0 / 0.00	276 / 4.52	26 / 0.59	49 / 1.38	0.8 / 0.01	51 / 0.16	1.6 / 0.08	0.47	66	422	36	137	0	
		8-11-59	550	6.9	27 / 1.35	16 / 1.29	56 / 2.44	10 / 0.26	0.3 / 0.02	0 / 0.00	143 / 2.34	12 / 0.25	45 / 1.27	64 / 1.03	24 / 0.76	--	0.2	64	389	46	132	15	
30	North Utility District (Lincoln Village)	7-7-56	1030	7.5	46 / 2.30	26 / 2.16	102 / 4.44	10 / 0.26	22 / 1.22	0 / 0.00	360 / 5.90	63 / 1.31	109 / 3.07	0.0 / 0.00	29 / 0.92	--	0.50	56	612	48	223	0	
		6-9-59	904	7.4	25 / 1.75	18 / 1.49	93 / 9.26	14 / 0.36	43 / 2.38	0 / 0.00	365 / 6.03	29 / 0.60	68 / 1.92	1.8 / 0.03	42 / 1.33	1.8 / 0.09	0.53	70	592	44	137	0	
31	City of Stockton, North Plant	7-7-56	897	7.3	24 / 1.20	16 / 1.32	114 / 4.96	12 / 0.31	23 / 1.28	0 / 0.00	314 / 5.15	17 / 0.35	114 / 3.21	0.0 / 0.00	24 / 0.76	--	0.64	56	532	64	126	0	
		7/17-18/57	832	7.2	24 / 1.20	15 / 1.27	99 / 4.31	12 / 0.31	25 / 1.39	0 / 0.00	299 / 4.90	24 / 0.50	98 / 2.76	0.5 / 0.01	--	1.4 / 0.07	0.72	49	496	51	123	0	
		8-11-59	824	7.0	20 / --	20 / --	100 / --	14 / --	22 / --	0 / 0.00	322 / --	3.8 / --	110 / --	3.4 / --	27 / 0.85	--	0.2	59	538	51	131	0	
32	City of Stockton, South Plant	7-7-56	1390	7.5	51 / 2.54	23 / 1.88	186 / 8.09	12 / 0.31	--	0 / 0.00	260 / 4.26	50 / 1.04	278 / 7.84	1.8 / 0.03	14 / 0.44	--	1.0	59	790	63	221	8	
		7/17-18-57	1920	7.3	48 / 2.40	10 / 0.85	346 / 15.05	16 / 0.41	25 / 1.39	0 / 0.00	650 / 10.65	24 / 0.50	295 / 8.32	1.2 / 0.02	8.9 / 0.28	1.2 / 0.06	1.4	64	1150	75	162	0	
		8-11-59	1570	7.5	56 / 2.79	24 / 2.01	226 / 9.83	14 / 0.36	7.2 / 0.40	0 / 0.00	327 / 5.36	60 / 1.25	319 / 9.00	3.4 / 0.05	10 / 0.32	--	0.6	50	931	64	240	0	

(b) Analysis by discharging agency.

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
33	City of Tracy - Domestic Wastes	7-5-56	1480	7.5	74 / 3.69	30 / 2.48	167 / 7.26	16 / 0.41	21 / 1.17	0 / 0.00	375 / 6.15	160 / 3.33	188 / 5.30	0.3 / 0.00	23 / 0.765	--	1.8	28	881	52	308	0	
		7-18-57	1320	7.2	72 / 3.59	25 / 2.07	151 / 6.57	8.2 / 0.21	12 / 0.67	0 / 0.00	261 / 4.28	162 / 3.37	165 / 4.65	8.2 / 0.13	3.6 / 0.11	1.6 / 0.08	1.7	38	774	50	283	69	
		8-11-59	1340	7.3	90 / 4.49	27 / 2.26	156 / 6.79	10 / 0.26	0.3 / 0.02	0 / 0	225 / 3.69	234 / 4.87	180 / 5.08	2.4 / 0.04	20 / 0.63	--	1.6	30	862	49	338	154	
	Industrial Wastes	7-5-56	1080	6.5	74 / 3.69	25 / 2.07	118 / 5.13	21 / 0.54	--	0 / 0.00	320 / 5.24	104 / 2.17	127 / 3.58	0.3 / 0.00	4.4 / 0.14	--	1.5	21	661	45	288	26	
		7-24-59	1260	--	--	--	--	--	--	--	--	--	181 / 5.10	--	--	--	1.5	--	738	50	--	--	
34	City of Manteca	7-10-56	725	7.4	42 / 2.10	18 / 1.46	64 / 2.78	12 / 0.31	18 / 1.00	0 / 0.00	366 / 6.00	23 / 0.48	32 / 0.90	0.0 / 0.00	--	--	0.36	62	451	42	178	0	
		7/18-19/57	691	6.8	41 / 2.05	13 / 1.08	80 / 3.48	18 / 0.46	8.5 / 0.47	0 / 0.00	365 / 5.98	1.9 / 0.04	34 / 0.96	0.6 / 0.01	17 / 0.54	1.4 / 0.07	0.58	58	437	46	156	0	
		7-21-59	866	7.1	39 / 1.95	15 / 1.27	116 / 5.05	18 / 0.46	12 / 0.66	0 / 0.00	486 / 7.96	14 / 0.29	38 / 1.07	0.9 / 0.01	24	--	0.3	57	573[a]	54	161	0	16-Hour Composite
		4-6-61	773	7.1	/ 3.84[d]	--	49 / 2.13	44 / 1.12	--	--	--	--	60 / 1.69	--	--	0.3 / 0.02	0.4	--	546	30	192	--	
		8-31-61	722	7.7	50 / 2.50	14 / 1.18	92 / 4.00	22 / 0.56	1.5 / 0.08	0 / 0.00	370 / 6.06	0.4 / 0.01	33 / 0.93	1.6 / 0.02	12 / --	0.2 / 0.01	0.2	61	456[a]	48	184	0	
		9-29-61																					Fe 0.24 Pb 0.04[c] Al 0.10 Mn 0.03 Cu 0.04 Zn 0.05
35	City of Modesto	7-11-56	1020	7.3	57 / 2.84	14 / 1.13	131 / 5.70	17 / 0.43	--	0 / 0.00	361 / 5.92	21 / 0.44	141 / 3.98	0.3 / 0.00	--	--	0.44	56	616	56	198	0	
		7-19-57	1010	7.9	47 / 2.35	18 / 1.50	116 / 5.05	14 / 0.36	14 / 0.78	0 / 0.00	295 / 4.84	20 / 0.42	162 / 4.57	1.0 / 0.02	18 / 0.57	1.6 / 0.08	0.28	59	598	50	192	0	
		7-20-59	1080	7.3	60 / 2.99	18 / 1.51	120 / 5.22	16 / 0.41	9.6 / 0.53	0 / 0.00	297 / 4.87	11 / 0.23	194 / 5.47	0.4 / 0.01	11 / 0.35	--	0.52	55	642[a]	49	225	0	
		3-23-61	866	7.0	/ 3.18[d]	--	104 / 4.52	24 / 0.61	--	--	--	--	128 / 3.61	--	--	0.5 / 0.03	0.2	--	556	54	159	--	
36	City of Turlock - Domestic Sewage	7-5-56	551	7.4	26 / 1.30	12 / 0.98	67 / 2.91	8.0 / 0.20	--	0 / 0.00	164 / 2.69	18 / 0.37	64 / 1.80	20 / 0.32	--	--	0.20	49	345	54	114	0	
		7-18-57	491	7.1	30 / 1.50	7.4 / 0.61	55 / 2.39	6.7 / 0.17	1.0 / 0.06	0 / 0.00	138 / 2.26	15 / 0.31	53 / 1.49	28 / 0.45	12 / 0.38	1.4 / 0.07	0.13	51	317	51	105	0	
		7-20-59	859	7.0	46 / 2.30	20 / 1.62	90 / 3.92	33 / 0.84	0.6 / 0.03	0 / 0.00	422 / 6.92	6.6 / 0.14	70 / 1.97	1.7 / 0.05	9.7 / 0.31	--	0.2	53	539[a]	45	195	0	
		4-6-61	747	7.1	/ 1.60[d]	--	99 / 4.31	11 / 0.28	--	--	--	--	108 / 3.05	--	--	0.4 / 0.02	0.4	--	440	70	80	--	

(a) Sum of analyzed constituents.
(c) Iron (Fe), aluminum (Al), arsenic (As), copper (Cu), lead (Pb), manganese (Mn), zinc (Zn).
(d) Sum of calcium and magnesium.

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	N.C. (ppm)	Remarks
36	City of Turlock - Domestic Sewage (Continued)	9-28-61	664	7.6	26 / 1.30	9.2 / 0.76	88 / 3.83	14 / 0.36	7.6 / 0.42	0 / 0.00	202 / 3.31	24 / 0.50	91 / 2.57	0.1 / 0.00	23(e)	0.4 / 0.02	0.0	--	403[a]	57	103	0	
	Industrial Waste	7-5-56	584	7.5	36 / 1.80	11 / 0.94	53 / 2.31	11 / 0.28	12 / 0.67	0 / 0.00	213 / 3.49	18 / 0.37	68 / 1.92	0.30 / 0.00	--	--	0.15	51	365	43	137	0	
		7-18-57	775	7.4	35 / 1.75	12 / 0.96	50 / 2.18	16 / 0.41	46 / 2.55	0 / 0.00	335 / 5.49	16 / 0.33	62 / 1.75	0.7 / 0.01	15 / 0.47	1.4 / 0.07	0.30	46	450	28	136	0	
		7-20-59	912	7.2	47 / 2.34	21 / 1.70	98 / 4.26	34 / 0.87	5.4 / 0.30	0 / 0.00	455 / 7.46	8.6 / 0.18	77 / 2.17	1.1 / 0.02	9.8 / 0.31	--	0.2	98	580[a]	45	202	0	
		4-6-61	534	7.2	-- / 1.38[d]	--	49 / 2.13	13 / 0.33	--	--	--	--	48 / 1.35	--	--	0.4 / 0.02	0.1	--	356	55	69	--	
		9-28-61	875	7.5	46 / 2.30	14 / 1.18	71 / 3.09	22 / 0.56	19 / 1.05	0 / 0.00	308 / 5.05	38 / 0.79	96 / 2.71	1.1 / 0.02	22(e)	0.2 / 0.01	0.0	56	495[a]	38	174	0	Al 0.20 Pb 0.04(c) As 0.99 Mn 0.04 Cu 0.01 Zn 0.08 Fe 0.74
37	Castle Air Force Base	7-10-56	494	7.4	22 / 1.10	7.1 / 0.58	48 / 2.09	14 / 0.36	6.1 / 0.339	0 / 0.00	194 / 3.18	34 / 0.71	20 / 0.56	11 / 0.18	--	--	0.16	61	319	51	84	0	
		6-10-59	610	7.5	21 / 1.05	7.7 / 0.63	64 / 2.78	16 / 0.41	24 / 1.33	0 / 0.00	264 / 4.33	29 / 0.60	29 / 0.82	0.9 / 0.01	22(e)	0.9 / 0.05	0.42	64	409[a]	45	84	0	24-Hour Composite Flow - 0.75 mgd
		7-20-59	537	7.7	24 / 1.20	6.1 / 0.50	50 / 2.18	14 / 0.36	19 / 1.05	0 / 0.00	230 / 3.77	22 / 0.46	31 / 0.87	0.8 / 0.01	24 / 0.76	--	0.5	59	363[a]	41	85	0	
		4-6-61	610	8.0	--	--	--	--	--	--	--	--	44 / 1.24	--	--	0.2 / 0.01	--	--	--	--	--	--	Fe 0.21 Zn 0.12(c) Al 0.07 Cu 0.04
38	City of Atwater	7-20-59	561	7.2	17 / 0.85	6.0 / 0.49	66 / 2.87	13 / 0.33	19 / 1.05	0 / 0.00	264 / 4.33	15 / 0.31	29 / 0.82	1.0 / 0.02	22 / 0.69	--	0.6	63	382[a]	51	67	0	
		4-6-61	481	6.5	-- / 1.48[d]	--	52 / 2.26	12 / 0.31	--	--	--	--	60 / 1.69	--	--	0.4 / 0.02	0.5	--	422	56	74	--	Grab sample
		8-31-61	958	7.8	23 / 1.15	4.2 / 0.35	198 / 8.61	19 / 0.49	6.8 / 0.38	0 / 0.00	560 / 9.18	2.3 / 0.05	41 / 1.16	1.6 / 0.02	12(e)	0.2 / 0.01	0.3	63	628[a]	78	75	0	
39	City of Merced	7-10-56	639	7.4	33 / 1.65	17 / 1.43	56 / 2.44	9.5 / 0.24	9.2 / 0.51	0 / 0.00	315 / 5.16	20 / 0.42	33 / 0.93	0.0 / 0.00	--	--	0.20	77	410	42	154	0	
		7/19-20/57	613	7.9	29 / 1.45	17 / 1.39	52 / 2.26	9.5 / 0.24	18 / 1.00	0 / 0.00	306 / 5.02	13 / 0.27	30 / 0.85	0.5 / 0.01	--	2.2 / 0.12	0.08	72	394	36	142	0	
		7-20-59	574	8.3	31 / 1.55	16 / 1.29	61 / 2.65	9.8 / 0.25	7.2 / 0.40	4 / 0.13	271 / 4.44	23 / 0.48	37 / 1.04	0.6 / 0.01	6.0 / 0.19	--	0.1	72	401[a]	43	142	0	
		4-6-61	696	7.2	-- / 2.86[d]	--	64 / 2.78	12 / 0.31	--	--	--	--	56 / 1.58	--	--	0.1 / 0.00	0.4	--	448	47	143	0	

(a) Sum of analyzed constituents.
(c) Iron (Fe), aluminum (Al), arsenic (As), copper (Cu), lead (Pb), manganese (Mn), zinc (Zn).
(d) Sum of calcium and magnesium.
(e) Ortho-Phosphate.

TABLE [illegible] (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION NO. [illegible]

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
40	City of Madera	7-14-56	467	7.3	19 / 0.95	6.5 / 0.53	49 / 2.13	9.6 / 0.25	12 / 0.667	0 / 0.00	184 / 3.02	14 / 0.29	38 / 1.07	0.60 / 0.01	--	--	0.28	73	313	55	74	0	
		7-29-57	548	7.1	21 / 1.05	4.6 / 0.21	67 / 2.91	11 / 0.28	13 / 0.72	0 / 0.00	187 / 3.06	14 / 0.29	62 / 1.75	0.4 / 0.01	--	1.4 / 0.07	0.15	69	354	56	63	0	
		7-17-59	633	7.3	16 / 0.80	8.0 / 0.66	84 / 3.65	10 / 0.26	11 / 0.61	0 / 0.00	183 / 3.00	11 / 0.23	89 / 2.51	1.5 / 0.02	16 / 0.51	--	0.42	67	404[a]	61	73	0	
		4-7-61	903	7.5	--	--	--	--	--	--	--	--	72 / 2.03	--	--	0.2 / 0.01	--	--	--	--	--	--	
		9-27-61	676	7.5	23 / 1.15	4.5 / 0.37	84 / 3.15	14 / 0.36	17 / 0.94	0 / 0.00	193 / 3.16	20 / 0.42	89 / 2.51	0.1 / 0.00	23	0.2 / 0.01	0.0	65	395[a]	56	76	0	Fe 0.63 Pb 0.06[c] Al 0.11 Mn 0.03 Cu 0.06 Zn 0.15
		1-16-62	854	7.1	[illegible] / 1.52[d]	--	98 / 4.26	--	--	--	--	--	79 / 2.23	--	--	--	0.1	--	--	--	76	—	
41	City of Clovis	7/14-15/60	586	7.4	15 / 0.75	24 / 2.01	58 / 2.52	13 / 0.33	2.4 / 0.13	0 / 0.00	169 / 2.77	20 / 0.42	42 / 1.18	73 / 1.18	32[e]	--	0.9	68	431[a]	44	138	0	
		4-12-61	730	7.0	--	--	--	--	--	--	--	--	52 / 1.47	--	--	0.4 / 0.02	--	--	--	--	--	--	
		9/26-27/61	630	7.5	22 / 1.10	18 / 1.52	62 / 2.70	14 / 0.36	9.0 / 0.50	0 / 0.00	181 / 2.97	32 / 0.67	43 / 1.21	83 / 1.34	48[e]	0.5 / 0.03	0.5	69	433[a]	44	131	0	
42	City of Fresno	7-14-56	634	7.3	24 / 1.20	18 / 1.46	63 / 2.74	12 / 0.31	17 / 0.94	0 / 0.00	283 / 4.64	17 / 0.35	50 / 1.41	0.20 / 0.00	--	--	0.44	80	634	48	133	0	
		8-29-57	685	7.4	25 / 1.25	16 / 1.35	72 / 3.13	16 / 0.41	15 / 0.83	0 / 0.00	276 / 4.52	9.6 / 0.20	59 / 1.66	0.6 / 1.01	--	--	0.25	78	412	45	130	0	
		7-17-59	594	6.9	25 / 1.25	16 / 1.35	54 / 2.35	10 / 0.26	14 / 0.78	0 / 0.00	282 / 4.26	12 / 0.25	[illegible] / 1.16	0.7 / 0.01	17 / 0.54	--	0.41	61	390[a]	39	130	0	
		4-12-61	857	7.0	[illegible] / 2.88[d]	--	74 / 3.22	20 / 0.51	--	--	--	--	84 / 2.37	--	--	0.5 / 0.03	0.1	--	501	49	144	--	Fe 0.44 Pb 0.01[c] Al 0.10 Zn 0.15 Cu 0.01
		7-20-61	606	6.8	33 / 1.65	11 / 0.89	55 / 2.39	12 / 0.31	13 / 0.72	0 / 0.00	229 / 3.75	8.9 / 0.18	43 / 1.21	0.1 / 0.00	2.0[e]	0.2 / 0.01	0.5	74	350[a]	40	127	0	
43	City of Sanger - Domestic Sewage	7-13-56	569	7.5	10 / 0.50	19 / 1.58	48 / 2.09	9.8 / 0.25	27 / 1.50	0 / 0.00	267 / 4.38	27 / 0.56	31 / 0.87	0.70 / 0.01	--	--	0.49	26	341	47	104	0	
		7-29-57	531	7.1	17 / 0.85	14 / 1.15	45 / 1.96	9.1 / 0.23	20 / 1.11	0 / 0.00	237 / 3.88	24 / 0.50	25 / 0.70	0.4 / 0.01	--	1.8 / 0.09	0.15	35	308	37	100	0	
		7-20-59	557	7.4	11 / 0.55	19 / 1.57	51 / 2.22	7.6 / 0.19	22 / 1.22	0 / 0.00	254 / 4.16	22 / 0.46	28 / 0.79	1.0 / 0.02	32 / 1.01	--	0.44	29	348[a]	39	106	0	
		7/14-15/60	471	7.3	12 / 0.60	16 / 1.36	37 / 1.61	8.4 / 0.21	19 / 1.05	0 / 0.00	216 / 3.54	22 / 0.46	22 / 0.62	0.2 / 0.00	18[e]	--	0.0	33	294[a]	33	98	0	
		4-12-61	588	7.0	--	--	--	--	--	--	--	--	32 / 0.90	--	--	0.0 / 0.00	--	--	--	--	--	--	

(a) Sum of analyzed constituents.
(c) Iron (Fe), aluminum (Al), arsenic (As), copper (Cu), lead (Pb), manganese (Mn), Zinc (Zn).
(d) Sum of calcium and magnesium.
(e) Ortho-Phosphate.

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N C (ppm)	Remarks
43	City of Sanger - Industrial Waste (Continued)	7-13-56	512	4.2	19 / 0.95	18 / 1.51	32 / 1.39	27 / 0.69	--	0 / 0.00	0 / 0.00	13 / 0.27	30 / 0.85	0.80 / 0.01	--	--	0.57	36	179	31	123	123	
		2-18-60	613	7.2	29 / 1.45	22 / 1.85	41 / 1.78	19 / 0.49	9.9 / 0.55	0 / 0.00	252 / 4.13	31 / 0.64	42 / 1.18	4.5 / 0.07	3.4[e]	--	1.0	35	361[a]	29	165	0	Grab sample
		2/14-15/60	458	7.2	13 / 0.65	18 / 1.47	43 / 1.87	10 / 0.26	9.1 / 0.50	0 / 0.00	201 / 3.29	17 / 0.35	28 / 0.79	0.0 / 0.00	18[e]	--	0.2	34	289[a]	39	106	0	
		8-25-60	1310	7.2	28 / 1.40	8.5 / 0.70	217 / 9.44	95 / 2.43	--	0 / 0.00	771 / 12.64	1.0 / 0.02	44 / 1.24	0.6 / 0.01	--	0.1 / 0.00	0.7	40	815[a]	68	105	0	
		12-14-60	629	7.0	10 / 0.50	31 / 2.52	52 / 2.26	21 / 0.54	--	0 / 0.00	238 / 3.90	31 / 0.65	36 / 1.02	33 / 0.53	--	--	0.6	37	369[a]	39	151	0	
		4-12-61	396	7.1	--	--	--	--	--	--	--	--	36 / 1.02	--	--	0.1 / 0.00	--	--	--	--	--	--	
		1-12-62	837	--	--	--	--	--	--	--	--	--	--	--	--	--	0.4	--	--	--	--	--	Grab sample
44	City of Lemoore	7/12-13/60	898	7.8	14 / 0.70	4.2 / 0.18	178 / 7.74	17 / 0.43	7.6 / 0.42	0 / 0.00	488 / 8.00	1.5 / 0.03	48 / 1.35	0.0 / 0.00	40[e]	--	0.8	43	592[a]	82	44	0	
		4-12-61	897	7.2	--	--	--	--	--	--	--	--	52 / 1.47	--	--	1.4 / 0.07	--	--	--	--	--	--	Grab sample
		9-12-61	924	7.9	18 / 0.90	3.4 / 0.28	176 / 7.66	23 / 0.59	5.3 / 0.29	0 / 0.00	470 / 7.70	2.0 / 0.04	57 / 1.61	0.1 / 0.00	50[e]	1.8 / 0.09	1.2	44	558[a]	79	59	0	
45	City of Hanford	7-14-56	601	7.3	16 / 0.80	2.9 / 0.24	95 / 4.13	13 / 0.33	13 / 0.72	0 / 0.00	273 / 4.47	19 / 0.40	38 / 1.07	0.40 / 0.01	--	--	0.51	57	389	75	52	0	
		7-14-56	601	--	--	--	--	--	--	--	--	--	38 / 1.07	--	--	--	0.51	--	389	75	--	--	
		7-29-57	655	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
		7-17-59	578	7.0	20 / 1.00	0.7 / 0.06	84 / 3.65	12 / 0.31	14 / 0.78	0 / 0.00	257 / 4.21	9.7 / 0.20	36 / 1.02	1.2 / 0.02	19 / 0.60	--	0.49	49	362[a]	63	53	[illegible]	
		8-18-60	574	--	/ 1.04[d]	--	103 / 4.48	--	--	--	--	--	41 / 1.16	--	--	--	0.2	--	--	--	52	--	Grab sample
		4-12-61	644	7.7	--	--	--	--	--	--	--	--	56 / 1.58	--	--	0.8 / 0.04	--	--	--	--	--	--	
		9-12-61	607	9.5	9.0 / 0.45	0.0 / 0.00	118 / 5.13	14 / 0.36	1.4 / 0.08	72 / 2.40	101 / 1.66	0.0 / 0.00	50 / 1.51	0.0 / 0.00	20[e]	0.5 / 0.03	0.6	66	379[a]	85	22	0	
46	City of Visalia	7-13-56	502	7.3	33 / 1.65	15 / 1.25	43 / 1.87	14 / 0.36	--	0 / 0.00	246 / 4.03	19 / 0.40	28 / 0.79	0.20 / 0.00	--	--	0.23	33	306	36	145	0	
		7-30-57	537	7.1	14 / 0.70	0.7 / 0.06	87 / 3.78	9.6 / 0.25	14 / 0.78	0 / 0.00	239 / 3.92	16 / 0.33	32 / 0.90	0.4 / 0.01	--	1.2 / 0.12	0.34	34	348	68	38	0	
		7-16-59	628	7.0	32 / 1.60	14 / 1.18	56 / 2.44	17 / 0.43	12 / 0.66	0 / 0.00	276 / 4.52	8.9 / 0.18	50 / 1.41	0.6 / 0.01	25 / 0.79	--	0.32	24	376[a]	39	139	0	

(a) Sum of analyzed constituents.
(d) Sum of calcium and magnesium.
(e) Ortho-Phosphate.

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
46	City of Visalia	2-18-60	842	7.7	26 / 1.30	22 / 1.78	77 / 3.35	22 / 0.56	30 / 1.66	0 / 0.00	357 / 5.85	16 / 0.33	67 / 1.89	3.6 / 0.06	46[e]	--	2.1	32	518[a]	49	154	0	Grab sample
		8-19-60	692	--	--	--	65 / 2.83	--	--	--	--	--	54 / 1.52	--	--	--	0.6	--	--	--	--	--	Grab sample
		4-12-61	2030	7.1	--	--	--	--	--	--	--	--	420 / 11.84	--	--	0.3 / 0.02	0.3	--	--	--	--	--	
		10-31-61	1230	6.5	— / 2.57[d]	--	152 / 6.61	--	--	--	--	--	160 / 4.51	--	--	--	--	--	--	--	137	—	Grab sample
		1-12-62	991	--	--	--	--	--	--	--	--	--	127 / 3.58	--	--	--	0.4	--	--	--	--	--	Grab sample
		1-17-62	827	6.9	— / 2.40[d]	--	84 / 3.65	--	--	--	--	--	78 / 2.20	--	--	--	0.1	--	--	--	120	—	Grab sample
47	City of Corcoran	7-20-59	558	7.0	16 / 0.80	1.0 / 0.08	84 / 3.65	6.0 / 0.15	15 / 0.83	0 / 0.00	234 / 3.84	12 / 0.25	36 / 1.02	1.2 / 0.02	34 / 1.07	--	0.58	29	350[a]	66	44	0	
		8-17-60	326	--	— / 0.76[d]	--	50 / 2.18	--	--	--	--	--	20 / 0.56	--	--	--	0.2	--	--	--	38	--	Grab sample
		4-12-61	632	7.0	--	--	--	--	--	--	--	--	0.6 / 1.47	--	--	0.6 / 0.03	--	--	--	--	--	--	Grab sample Flow - 0.1 MGD.
		9-12-61	512	8.2	22 / 1.10	0.7 / 0.06	80 / 3.48	5.1 / 0.13	12 / 0.66	0 / 0.00	242 / 3.97	10 / 0.21	33 / 0.93	0.0 / 0.00	18[e]	0.5 / 0.03	0.5	34	305[a]	64	58	0	
48	City of Tulare - Domestic Sewage	7-13-56	317	7.4	8.8 / 0.44	0.7 / 0.06	55 / 2.39	4.6 / 0.12	--	0 / 0.00	157 / 2.57	7.0 / 0.15	14 / 0.40	0.20 / 0.01	--	--	0.21	20	188	79	25	0	
		7-30-57	411	6.8	11 / 0.55	0.5 / 0.04	48 / 2.09	5.1 / 0.13	21 / 1.16	0 / 0.00	205 / 3.36	7.7 / 0.16	18 / 0.51	0.5 / 0.01	--	0.9 / 0.05	0.17	18	211	63	30	0	
		7-15-59	374	6.8	8.1 / 0.40	0.0 / 0.00	56 / 2.44	5.5 / 0.14	13 / 0.72	0 / 0.00	165 / 2.70	12 / 0.25	19 / 0.54	1.8 / 0.03	16 / 0.51	--	0.1	21	234[a]	66	20	0	
		7/12-13/60	356	7.0	9.1 / 0.45	0.4 / 0.03	52 / 2.26	5.2 / 0.13	11 / 0.61	0 / 0.00	146 / 2.39	13 / 0.27	16 / 0.45	12 / 0.19	16[e]	--	0.0	19	226[a]	65	24	0	
		4-12-61	484	7.0	--	--	--	--	--	--	--	--	34 / 0.96	--	--	0.4 / 0.02	--	--	--	--	--	--	
	- Industrial Waste	7-13-56	360	7.3	7.2 / 0.36	0.7 / 0.06	64 / 2.78	5.0 / 0.13	--	0 / 0.00	183 / 3.00	6.0 / 0.13	16 / 0.45	0.20 / 0.01	--	--	0.22	22	219	75	21	0	
		7/12-13/60	366	7.0	25 / 1.25	2.1 / 0.17	41 / 1.78	8.8 / 0.22	5.9 / 0.33	0 / 0.00	177 / 2.90	5.6 / 0.12	20 / 0.56	0.0 / 0.00	17	--	0.0	15	227[a]	47	71	0	
		4-12-61	431	6.8	--	--	--	--	--	--	--	--	32 / 0.90	--	--	0.2 / 0.01	--	--	--	--	--	--	
		4-3-62	736	6.9	23 / 1.15	8 / 0.65	117 / 5.10	3 / 0.08	--	0 / 0.00	314 / 5.15	42 / 0.89	30 / 0.84	0 / 0.00	--	1.5 / 0.08	0.36	18	525	73	140	0	

(a) Sum of analyzed constituents.
(d) Sum of calcium and magnesium.
(e) Ortho-Phosphate.

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
49	City of Lindsay	7-15-59	5890	7.0	65 / 3.24	38 / 3.15	1150 / 50.02	31 / 0.79	14 / 0.78	0 / 0.00	513 / 8.41	45 / 0.94	1710 / 48.22	2.1 / 0.03	20 / 0.63	--	0.3	42	3370[a]	86	320	0	
		12-14-60	7120	7.6	39 / 1.95	24 / 2.61	1452 / 63.16	55 / 1.41	19 / 1.05	0 / 0.00	560 / 9.18	58 / 1.21	2110 / 59.50	3.4 / 0.05	--	--	20	42	4120	90	238	0	Grab sample
		8-18-60	1580	--	--	--	166 / 7.22	--	--	--	--	--	312 / 8.80	--	--	--	0.8	--	--	--	--	--	Grab sample
		4-12-61	9060	7.7	--	--	--	--	--	--	--	--	--	--	--	0.3 / 0.02	0.9	--	--	--	--	--	
		11-1-61	6660	7.4	/ 5.57[d]	--	1380 / 60.03	--	--	--	--	--	1780 / 50.20	--	--	--	0.6	--	--	--	279	--	Grab sample
		1-4-62	8270	7.3	103 / 5.14	60 / 4.91	1570 / 69.30	45 / 1.15	17 / 1.22	0 / 0.00	518 / 8.49	56 / 1.16	2510 / 70.78	1.0 / 0.02	17[e]	0.4 / 0.02	0.4	40	4640[a]	85	503	78	Grab sample
		1-9-62	5460	--	--	--	--	--	--	--	--	--	--	--	--	--	0.7	--	--	--	--	--	Grab sample
		1-17-62	5860	7.0	/ 8.07[d]	--	1180 / 51.55	--	--	--	--	--	1670 / 47.09	--	--	--	0.3	--	404	--	--	--	Grab sample
		1-17-62	5530	7.4	/ 6.47[d]	--	1080 / 46.98	--	--	--	--	--	1570 / 44.27	--	--	--	0.4	--	324	--	--	--	Grab sample
		1-23-62	10,000	11.1	--	--	2160 / 93.96	--	--	--	--	--	2700 / 76.14	--	--	--	0.79	--	--	--	96	--	
50	City of Porterville	7-13-56	540	7.4	28 / 1.40	14 / 1.14	58 / 2.52	8.0 / 0.20	--	0 / 0.00	183 / 3.00	27 / 0.56	42 / 1.18	25 / 0.40	--	--	0.35	36	328	48	127	0	
		7-25-57	601	7.5	37 / 1.85	11 / 0.87	59 / 2.57	8.4 / 0.21	11 / 0.61	0 / 0.00	259 / 4.25	20 / 0.42	42 / 1.18	1.0 / 0.02	--	2.2 / 0.12	0.34	35	355	42	136	0	
		7-14-59	557	7.1	34 / 1.70	14 / 1.18	53 / 2.30	6.7 / 0.17	3.2 / 0.18	0 / 0.00	198 / 3.24	20 / 0.42	33 / 0.93	45 / 0.72	17 / 0.54	--	0.7	30	354[a]	42	144	0	
		2-19-60	768	7.8	25 / 1.25	18 / 1.51	74 / 3.22	11 / 0.28	26 / 1.44	0 / 0.00	353 / 5.78	27 / 0.56	43 / 1.21	16 / 0.26	26[e]	--	2.8	33	473[a]	42	138	0	Grab sample
		8-10-60	610	--	--	--	62 / 2.70	--	--	--	--	--	49 / 1.38	--	--	--	1.2	--	--	--	--	--	Grab sample
		4-12-61	673	7.0	--	--	--	--	--	--	--	--	42 / 1.18	--	--	0.9 / 0.05	--	--	--	--	--	--	
		1-9-62	691	--	--	--	--	--	--	--	--	--	--	--	--	--	0.4	--	--	--	--	--	Grab sample
		4-5-62	752	7.3	26 / 1.32	17 / 1.43	100 / 4.35	10 / 0.27	--	0 / 0.00	280 / 4.72	39 / 0.82	65 / 1.83	8 / 0.14	--	1.8 / 0.09	0.66	17	530	58	138	0	
51	City of Delano	7-16-56	698	7.2	29 / 1.45	6.7 / 0.55	92 / 4.00	6.8 / 0.17	15 / 0.83	0 / 0.00	200 / 3.28	60 / 1.25	78 / 2.20	0.4 / 0.01	--	--	0.32	66	453	57	100	0	
		7-23-57	700	7.2	28 / 1.40	4.9 / 0.40	92 / 4.00	7.4 / 0.19	15 / 0.83	0 / 0.00	177 / 2.90	77 / 1.60	76 / 2.14	0.4 / 0.01	--	2.0 / 0.11	0.17	65	455	59	90	0	

(a) Sum of analyzed constituents.
(d) Sum of calcium and magnesium.
(e) Ortho-Phosphate.

TABLE -

MINERAL ANALYSES OF WASTE WATER

CENTRAL VAL[illegible]

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in ppm / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N C (ppm)	Remarks
51	City of Delano (Continued)	7-15-59	703	7.2	35/1.75	4.0/0.33	86/3.74	2.6/0.14	15/0.83	0/0.00	190/3.11	66/1.37	68/1.92	3.2/0.05	11/0.35	--	0.1	65	452[a]	55	104	0	
		8-17-60	772	--	--	--	89/3.87	--	--	--	--	--	81/2.28	--	--	--	0.8	--	--	--	--	--	Grab sample
		4-11-61	770	7.0	--	--	--	--	--	--	--	--	82/2.31	--	--	0.4/0.02	--	--	--	--	--	--	
		4-3-62	880	7.2	26/1.32	15/1.21	120/5.20	9/0.24	--	0/0.00	265/4.35	71/1.49	84/2.35	0/0.00	--	1.2/0.06	0.50	62	600	65	127	0	
52	North of River Sanitary District	7-16-56	645	7.0	23/1.15	20/1.65	67/2.91	9.6/0.25	--	0/0.00	164/2.69	60/1.25	56/1.58	24/0.39	--	--	0.41	33	374	49	140	6	
		7-25-57	612	7.2	32/1.60	15/1.26	62/2.70	11/0.28	--	0/0.00	103/1.69	70/1.46	57/1.61	50/0.81	--	2.0/0.11	0.30	22	382	46	143	59	
		7-14-59	730	7.2	30/1.50	16/1.32	77/3.35	11/0.28	14/0.78	0/0.00	201/3.29	62/1.29	67/1.89	11/0.18	11/0.28	--	0.4	30	448[a]	46	141	0	
		8-16-60	655	--	--	--	61/2.65	--	--	--	--	--	63/1.78	--	--	--	0.9	--	--	--	--	--	Grab sample
		4-11-61	710	9.6	--	--	--	--	--	--	--	--	97/2.76	--	--	0.3/0.02	--	--	--	--	--	--	
		8-30-61	572	8.6	26/1.30	3.4/0.28	81/3.52	10/0.26	20/1.11	10/0.33	76/1.24	65/1.35	76/2.14	14/0.21	4.6[c]	0.1/0.00	0.4	28	450[a]	54	79		
53	City of Bakersfield - Plant No. 1	7-17-56	915	6.8	44/2.20	18/1.50	94/4.09	9.2/0.24	26/1.44	0/0.00	268/4.39	112/2.33	90/2.54	2.30/0.00	--	--	0.25	24	560	43	185	0	
		7/23-24/57	1020	7.5	48/2.40	14/1.16	112/4.87	11/0.28	24/1.33	0/0.00	261/4.28	104/2.17	124/3.50	0.2/0.00	--	2.0/0.11	0.45	33	600	49	178	0	
		7-15-59	1020	7.5	59/2.94	14/1.12	107/4.65	8.4/0.21	21/1.16	0/0.00	284/4.64	96/2.00	134/3.50	1.0/0.02	20/0.63	--	0.3	41	6[illegible]	46	203	[illegible]	
		8-15-60	740	--	--	--	71/3.09	--	--	--	--	--	80/2.26	--	--	--	1.0	--	--	--	--	--	Grab sample [illegible] - .25 [illegible]
		4-11-61	1140	7.0	[illegible]/3.28[d]	--	1.39/6.05	10/0.26	--	--	--	--	182/5.13	--	--	0.6/0.03	0.4	--	[illegible]	63	164	--	
		4-4-62	1350	8.1	55/2.75	12/1.01	177/7.70	12/0.31	--	0/0.00	318/5.21	100/2.08	169/4.76	0/0.00	--	1.7/0.09	0.56	31	95	65	[illegible]	0	
54	City of Bakersfield - Plant No. 2	7-17-56	659	7.0	22/1.10	16/1.34	66/2.87	9.4/0.24	27/1.50	0/0.00	262/4.29	60/1.25	46/1.30	0.20/0.00	--	--	0.66	26	41	41	122	[illegible]	
		7/23-24/57	703	7.2	25/1.25	13/1.03	73/3.18	11/0.28	22/1.22	0/0.00	270/4.43	42/0.87	58/1.64	0.7/0.01	--	2.0/0.11	0.41	35	4[illegible]	46	114	0	
		7-13-59	655	7.0	25/1.25	12/0.99	63/2.74	8.2/0.21	24/1.33	0/0.00	266/4.36	38/0.79	46/1.30	1.3/0.02	25/0.79	--	0.3	31	405[e]	4[illegible]	[illegible]	0	

(a) Sum of analyzed constituents.
(d) Sum of calcium and magnesium.
(e) Ortho-Phosphate.

TABLE C-5 (continued)

MINERAL ANALYSES OF WASTE WATER

CENTRAL VALLEY REGION (NO. 5)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N C (ppm)	Remarks
54	City of Bakersfield - Plant No. 2 (Continued)	8-15-60	604	--	--	--	57 / 2.48	--	--	--	--	--	40 / 1.13	--	--	--	0.8	--	--	--	--	—	24-Hour Composite Flow - 8.1 MGD
		4-11-61	767	7.0	1.94[d]	--	77 / 3.35	11 / 0.28	--	--	--	--	58 / 1.64	--	--	0.0 / 0.00	0.4	--	499	60	97	—	Grab sample Q - 6.5 MGD
		8-30-61	599	8.1	21 / 1.55	77 / 0.63	62 / 2.70	9.6 / 0.24	1.5 / 0.08	0 / 0.00	241 / 3.95	40 / 0.83	43 / 1.21	1.3 / 0.02	28[e]	0.4 / 0.02	0.4	32	345	52	109	0	
55	Mt. Vernon County Sanitation District	7-16-56	568	6.9	19 / 0.95	16 / 1.33	62 / 2.70	8.2 / 0.21	--	0 / 0.00	185 / 3.03	44 / 1.02	35 / 0.99	8.4 / 0.14	--	--	0.41	33	322	52	114	0	
		7-26-57	526	7.1	27 / 1.35	9.4 / 0.77	52 / 2.26	8.3 / 0.21	4.5 / 0.25	0 / 0.00	146 / 2.39	58 / 1.21	37 / 1.04	2.2 / 0.04	--	2.0 / 0.11	0.17	30	303	47	106	0	
		7-13-59	569	7.3	30 / 1.50	9.0 / 0.74	57 / 2.48	7.3 / 0.19	13 / 0.72	0 / 0.00	184 / 3.02	47 / 0.98	45 / 1.27	1.2 / 0.02	21 / 0.66	--	0.1	26	347[a]	44	112	0	
		8-17-60	583	--	--	--	57 / 2.48	--	--	--	--	--	39 / 1.10	--	--	--	0.2	--	--	--	--	--	Grab sample
		4-11-61	793	6.9	1.66[d]	--	98 / 4.26	11 / 0.28	--	--	--	--	98 / 2.76	--	--	0.6 / 0.03	0.3	--	454	69	83	—	
		4-4-62	815	7.4	16 / 0.78	11 / 0.94	99 / 4.30	12 / 0.30	--	0 / 0.00	244 / 4.00	53 / 1.10	50 / 1.41	0 / 0.00	--	1.8 / 0.09	0.44	26	530	68	86	0	
56	City of Taft	7-17-56	800	7.0	10 / 0.50	12 / 0.96	107 / 4.65	14 / 0.36	29 / 1.61	0 / 0.00	329 / 5.39	68 / 1.42	46 / 1.30	0.6 / 0.01	--	--	0.86	40	489	58	73	0	
		7-24-57	681	7.1	17 / 0.85	7.2 / 0.59	96 / 4.18	14 / 0.36	6.5 / 0.36	0 / 0.00	225 / 3.69	45 / 0.94	46 / 1.30	92 / 0.15	--	4.0 / 0.21	0.58	35	391	66	72	0	
		7-13-59	811	7.2	10 / 0.50	7.3 / 0.60	102 / 4.44	14 / 0.36	36 / 2.00	0 / 0.00	284 / 4.65	53 / 1.10	48 / 1.35	1.3 / 0.02	58 / 1.83	--	0.5	29	498[a]	56	55	0	
		8-16-60	813	--	--	--	103 / 4.48	--	--	--	--	--	60 / 1.69	--	--	--	1.2	--	--	--	--	--	Grab sample
		4-11-61	844	6.9	--	--	--	--	--	--	—	—	64 / 1.80	--	--	0.6 / 0.03	--	--	--	--	--	—	
		4-4-62	854	7.3	9 / 0.47	3 / 0.28	154 / 6.70	15 / 0.39	--	0 / 0.00	303 / 4.97	49 / 1.02	59 / 1.65	0.0 / 0.00	--	0.0 / 0.00	0.26	34	595	85	38	0	

(a) Sum of analyzed constituents.
(d) Sum of calcium and magnesium.
(e) Ortho-Phosphate.

TABLE C-6

MINERAL ANALYSES OF WASTE WATER

LAHONTAN REGION (NO. 6)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$ Total (ppm)	Hardness as $CaCO_3$ N.C (ppm)	Remarks
					Mineral constituents in parts per million / equivalents per million																		
1	Susanville Consolidated Sanitary District	5-4-59	508	9.1	22 / 1.10	14 / 1.14	60 / 2.61	14.5 / 0.37	6.8 / 0.38	18 / 0.60	235 / 3.26	17 / 0.35	34 / 0.96	40 / 0.64	24 / 0.76	0.9 / 0.05	0.23	--	348[a]	47	112	0	
		4-27-61	635	7.7	21 / 1.05	17 / 1.41	57 / 2.48	14 / 0.36	21 / 1.16	0 / 0.00	293 / 4.80	18 / 0.37	25 / 0.70	15 / 0.24	38 / 1.20	0.4 / 0.02	0.4	48	433	38	123	0	
2	South Tahoe Public Utilities District	5-5-59	533	7.9	23 / 1.15	38 / 0.31	53 / 2.30	11 / 0.28	21 / 1.16	0 / 0.00	245 / 4.02	6.2 / 0.13	29 / 0.82	0.0 / 0.00	25 / 0.79	1.3 / 0.07	0.12	--	292	44	73	0	
		4-27-61	559	7.3	17 / 0.85	2.3 / 0.19	62 / 2.70	13 / 0.33	21 / 1.16	0 / 0.00	168 / 2.75	18 / 0.37	49 / 1.38	1.8 / 0.03	--	0.2	0.2	26	312	52	52	0	
3	City of Bishop	7-31-58	309	6.9	18 / 0.90	6 / 0.45	24 / 1.05	7.0 / 0.18	0.75 / 0.04	0 / 0.00	125 / 2.05	11 / 0.23	16 / 0.45	0 / 0.00	0.90 / 0.03	1.10 / 0.06	0.40	14	202	40	67	0	
4	U. S. Naval Ordnance Test Station China Lake	7-20-56	800	7.8	31 / 1.54	23 / 1.90	119 / 5.18	9.6 / 0.25	--	0 / 0.00	176 / 2.89	123 / 2.55	123 / 3.46	0 / 0.00	--	0.6 / 0.03	0.1	40	576	58	172	28	Grab
		7-31-58	889	7.6	32 / 1.[illegible]	11 / 2.[illegible]	121 / 5.[illegible]	12 / 0.30	0.90 / 0.05	0 / 0.00	146 / 2.40	101 / 2.10	131 / 3.70	0 / 0.00	3.4 / 0.11	0.50 / 0.03	1.2	46	590	65	125	5	Grab
		5-24-60	921	8.9	36 / 1.80	11 / 0.87	129 / 5.60	16 / 0.39	13 / 0.72	10 / 0.32	142 / 2.34	116 / 2.41	151 / 4.24	0 / 0.00	15 / 0.43	0.76 / 0.04	1.3	40	635	60	134	17	Grab
		6-26-62	961	7.3	24 / 1.20	12 / 1.01	145 / 6.30	12 / 0.30	34 / 1.88	0 / 0.00	296 / 4.85	64 / 1.35	106 / 2.97	0 / 0.00	52	0.7 / 0.04	1	27	710	59	111	0	Grab
5	Edwards Air Force Base	7-20-56	900	8.5	28 / 1.40	15 / 1.22	154 / 6.69	2.6 / 0.07	3.1 / 0.17	7.0 / 0.23	307 / 5.03	101 / 2.10	83 / 2.34	0 / 0.00	4.1 / 0.13	0 / 0.00	0.45	47	692	72	131	0	Grab
		7-31-58	5,836	8.9	21 / 1.04	2 / 0.24	1,38[illegible] / 60.00	78 / 2.00	1.4 / 0.08	138 / 4.60	1,691 / 27.72	628 / 13.07	750 / 21.13	0 / 0.00	13 / 0.40	3.0 / 0.16	0.05	53	4,810	95	64	0	Grab
		5-23-60	1,036	8.6	38 / 1.91	9 / 0.73	170 / 7.40	13 / 0.34	11 / 0.59	8 / 0.26	469 / 5.63	151 / 3.15	88 / 2.48	0 / 0.00	34	0.85 / 0.04	1.5	40	835	67	132	0	Grab
		6-27-62	1,152	7.4	29 / 1.45	13 / 1.11	179 / 7.80	6 / 0.16	29 / 1.61	0 / 0.00	358 / 5.87	131 / 2.66	85 / 2.38	0 / 0.00	27	0.9 / 0.05	1	23	830	64	128	0	Grab
6	Lancaster (Los Angeles County Sanitation District No. 14)	7-19-56	850	7.1	32 / 1.60	6.2 / 0.51	128 / 5.56	3.6 / 0.09	--	0 / 0.00	371 / 6.08	9.6 / 0.20	56 / 1.58	0.04	--	0.1 / 0.01	0.65	30	684	72	106	0	Grab
		8-2-58	992	7.1	13 / 0.65	12 / 1.00	143 / 6.22	19 / 0.50	6.1 / 0.34	0 / 0.00	373 / 6.12	32 / 0.67	70 / 1.97	1.18 / 0.02	7.1 / 0.22	1.5 / 0.08	1.6	38	615	71	82	0	Grab
		5-23-60	1,121	9.6	20 / 0.98	5 / 0.43	235 / 10.20	15 / 0.46	4.4 / 0.24	57 / 1.90	337 / 5.51	72 / 1.49	139 / 3.91	2 / 0.04	38	0.54 / 0.03	1.6	37	820	83	72	0	Grab
		6-25-62	1,051	8.7	14 / 0.68	8 / 0.67	239 / 10.40	23 / 0.60	2.7 / 0.15	17 / 0.55	356 / 5.83	59 / 1.23	11[illegible] / 3.25	0 / 0.00	37	1.2 / 0.06	0.92	50	805	84	68	0	Grab
7	Palmdale (Los Angeles County Sanitation District No. 20)	8-17-55	987	7.4	30 / 1.49	5.7 / 0.47	151 / 6.56	26 / 0.67	21 / 1.18	0 / 0.00	407 / 6.68	42 / 0.87	88 / 2.48	5.6 / 0.09	--	1.4 / 0.07	1.2	18	486	63	88	0	Grab
		7-19-56	820	8.8	32 / 1.60	8.5 / 0.70	130 / 5.66	2.0 / 0.05	--	6.0 / 0.20	283 / 4.64	48 / 1.00	79 / 2.22	0 / 0.00	--	0 / 0.00	0.1	33	660	71	115	0	Grab
		8-2-58	1,212	9.3	3 / 0.15	3 / 0.26	232 / 10.10	40 / 1.02	0.54 / 0.03	14 / 0.48	270 / 4.43	130 / 2.70	142 / 4.00	0.88 / 0.01	1.1 / 0.04	1.9 / 0.10	2.4	51	793	87	21	0	Grab
		5-[illegible]-6[illegible]	793	9.1	16 / 0.81	11 / 0.91	120 / 5.20	17 / 0.44	11 / 0.59	18 / 0.61	208 / 3.41	70 / 1.46	88 / 2.46	1 / 0.02	23	0.48 / 0.03	0.88	25	560	65	86	0	Grab

a - Summation

TABLE 3-6 (continued)

MINERAL ANALYSES OF WASTE WATER

LAHONTAN REGION (NO. 6)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$ Total (ppm)	Hardness as $CaCO_3$ N.C. (ppm)	Remarks
					Mineral constituents in parts per million / equivalents per million																		
7	Palmdale (Los Angeles County Sanitation District No. 20) -(Continued)	6-25-62	760	9.3	10 / 0.50	12 / 1.00	150 / 6.50	18 / 0.46	5.9 / 0.32	31 / 1.03	163 / 2.67	78 / 1.63	89 / 2.51	0 / 0.00	23	0.08 / 0.01	1.7	42	555	74	75	0	Grab
	Victorville Sanitary District	7-20-56	700	6.8	32 / 1.60	9.3 / 0.76	69 / 3.00	1.9 / 0.05	--	0 / 0.00	276 / 4.52	4.8 / 0.10	31 / 0.87	0.04 / 0.00	--	0.1 / 0.01	0.1	24	516	56	118	0	Grab
		8-1-58	608	6.9	10 / 0.50	2 / 0.20	69 / 3.00	9.2 / 0.24	29 / 1.62	0 / 0.00	237 / 3.89	11 / 0.23	33 / 0.93	0 / 0.00	13 / 0.39	1.5 / 0.08	0.50	23	402	54	35	0	Grab
		5-24-60	672	7.6	10 / 0.52	4 / 0.30	86 / 3.75	10 / 0.25	26 / 1.45	0 / 0.00	263 / 4.32	31 / 0.64	44 / 1.24	0 / 0.00	35	0.53 / 0.03	0.70	32	470	60	41	0	Grab
		9-29-61	618	7.0	11 / 0.55	0.5 / 0.04	80 / 3.48	8.4 / 0.21	26 / 1.43	0 / 0.00	281 / 4.60	5 / 0.10	35 / 0.99	2.0 / 0.03	31	1.7 / 0.09	0.38	--	360	61	30	0	Grab
		3-20-62	809	7.9	12 / 0.60	0.5 / 0.04	83 / 3.61	12 / 0.30	57 / 3.18	0 / 0.00	378 / 6.20	13 / 0.27	39 / 1.10	3.5 / 0.06	28	1.9 / 0.10	0.14	--	417	47	32	0	Grab
9	City of Barstow	4-16-56	1,189	7.5	37 / 1.85	20 / 1.64	130 / 5.66	23 / 0.58	40 / 2.20	0 / 0.00	422 / 6.92	84 / 1.74	108 / 3.05	0.8 / 0.01	--	1.2 / 0.06	0.42	--	625	47	175	0	Grab
		7-20-56	990	7.3	64 / 3.20	16 / 1.30	176 / 7.61	29 / 0.07	16 / 0.90	0 / 0.00	376 / 6.16	144 / 3.00	119 / 3.35	0 / 0.00	22 / 0.03	0.4 / 0.02	0.4	28	760	58	225	0	Grab
		1-15-57	1,510	8.3	50 / 2.50	18 / 1.45	177 / 7.7	15 / 0.37	20 / 1.11	45 / 1.50	329 / 5.40	101 / 2.10	133 / 3.75	0.8 / 0.01	--	1.30 / 0.07	0.40	36	724	59	196	0	Grab
		8-1-56	1,260	7.2	59 / 2.93	23 / 1.90	140 / 6.10	15 / 0.38	9.6 / 0.53	0 / 0.00	309 / 5.06	171 / 3.56	123 / 3.47	0 / 0.00	3.0 / 0.09	1.0 / 0.05	0.60	34	841	52	241	0	Grab
		10-15-58	--	7.4	57 / 2.85	21 / 1.70	132 / 5.74	12 / 0.31	18 / 0.99	0 / 0.00	360 / 5.90	142 / 2.96	119 / 3.35	--	--	0.9 / 0.05	--	--	812	50	230	0	Grab
		2-3-59	--	7.7	58 / 2.90	20 / 1.67	164 / 7.14	14 / 0.36	4 / 0.22	0 / 0.00	205 / 3.36	159 / 3.32	163 / 4.60	50 / 0.80	23 / 0.69	1.6 / 0.08	--	--	804[a]	58	228	0	Grab
		4-9-59	--	7.3	44 / 2.20	26 / 2.10	164 / 7.14	14 / 0.36	--	0 / 0.00	411 / 6.74	149 / 3.10	135 / 3.80	0.88 / 0.01	--	0.8 / 0.04	--	--	1,015	61	215	0	Grab
		5-24-60	1,328	7.4	46 / 2.30	24 / 1.98	151 / 6.55	12 / 0.30	28 / 1.55	0 / 0.00	387 / 6.35	131 / 2.72	148 / 4.17	0 / 0.00	36	0.70 / 0.04	0.90	28	930	52	214	0	Grab
		4-17-61	1,376	7.4	55 / 2.74	21 / 1.73	175 / 7.61	14 / 0.36	34 / 1.88	0 / 0.00	420 / 6.88	118 / 2.45	150 / 4.23	2.5 / 0.04	35	1.2 / 0.06	0.60	34	815	53	221	0	Grab
		11-10-61	1,363	7.5	45 / 2.25	24 / 1.97	172 / 7.45	15 / 0.38	39 / 2.17	0 / 0.00	471 / 7.72	97 / 2.02	148 / 4.17	1.5 / 0.02	37	0.94 / 0.05	0.54	--	766	53	221	0	Grab
10	U. S. Marine Corps Supply Center Nebo Plant	11-15-55	--	7.8	62	11	76	4	--	0 / 0.00	182	106	49	0 / 0.00	--	0.30	--	--	530	--	--	--	Grab
		4-17-56	2,000	7.4	56 / 2.79	27 / 2.22	288 / 12.53	21 / 0.53	37 / 2.08	0 / 0.00	427 / 7.00	119 / 2.47	382 / 10.77	1.0 / 0.02	1.4 / 0.07	--	1.1	--	1,145	--	250	0	Grab
		4-10-59	--	7.5	52	21	200	12	34	0 / 0.00	539 / 8.84	68	184	0 / 0.00	--	3.0	1.5	--	836	--	215	0	Grab
		5-7-59	--	8.0	54	21	235	11	--	0 / 0.00	368 / 6.04	174	150	2.3	--	4	--	--	895	--	220	0	Grab
		5-24-60	1,432	9.9	41 / 2.00	5 / 0.41	246 / 10.70	8.1 / 0.35	0.54 / 0.03	40 / 1.32	151 / 2.49	221 / 4.60	208 / 5.63	0 / 0.00	0.5	2.9 / 0.15	1.6	18	965	79	121	0	Grab

a - Summation

TABLE C-6 (continued)

MINERAL ANALYSES OF WASTE WATER

LAHONTAN REGION (NO. 6)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
10	U.S. Marine Corps Supply Center Nebo Plant -(Continued)	4-17-61	1,553	7.2	72 / 3.59	18 / 1.48	226 / 9.83	12 / 0.31	17 / 0.92	0 / 0.00	395 / 6.48	207 / 4.32	169 / 4.77	6.5 / 0.10	18 / —	3.2 / 0.17	1.2 / —	43 / —	935	61	254	0	Grab

TABLE C-7

MINERAL ANALYSES OF WASTE WATER

COLORADO RIVER BASIN REGION (NO. 7)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluorides (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N C (ppm)	Remarks
1	City of Banning	7-25-58	978	7.4	35/1.75	17/1.40	105/4.57	17/0.42	37/2.06	0/0.00	425/6.96	37/0.77	70/1.97	1.0/0.02	--	2.8/0.15	0.28	35	540	45	156	0	Grab
		5-25-60	1,029	7.7	19/0.94	23/1.85	115/5.00	11/0.29	41/2.29	0/0.00	462/7.56	84/1.75	33/0.92	0/0.00	36	0.4/0.02	0.6	40	755	48	139	0	Grab
		6-28-62	711	7.1	29/1.47	27/2.19	74/3.20	12/0.31	34/1.88	0/0.00	290/4.75	72/1.51	43/1.21	--	28	1.5/0.08	0	23	580	67	180	0	Grab
2	Coachella Sanitary District	1-27-59	869	7.2	40/2.00	10/0.79	94/4.10	15/0.38	39/2.14	0/0.00	288/4.71	103/2.14	61/1.71	0/0.00	36/1.12	0.7/0.04	0.32	20	614	44	140	0	Grab
		5-25-60	666	7.6	26/1.30	10/0.75	71/3.10	9/0.24	16/0.89	0/0.00	219/3.59	58/1.21	52/1.46	0/0.00	23	0.2/0.01	0.28	20	465	49	102	0	Grab
		6-28-62	753	9.3	12/0.60	12/0.98	113/4.90	15/0.39	116/6.43	159/5.30	287/4.70	35/0.73	90/2.53	0/0.00	15	1.1/0.06	0	20	690	37	79	0	Grab
3	Indio Sanitary District	7-23-56	580	6.7	40/2.00	19/1.56	44/1.91	9.2/0.24	1.6/0.09	0/0.00	217/3.56	67/1.40	25/0.70	0/0.00	--	0.2/0.01	0	24	436	35	178	0	Grab
		7-22-58	537	7.2	32/1.59	9/0.71	54/2.33	8.4/0.22	1.3/0.07	0/0.00	162/2.65	34/0.71	35/0.98	9.3/0.15	8/0.25	0.40/0.02	0.10	15	319	47	115	0	
		5-25-60	645	7.6	27/1.37	11/0.93	77/3.35	13/0.33	9.7/0.54	0/0.00	221/3.61	48/1.00	48/1.37	0/0.00	27	1.0/0.05	0.46	22	455	51	115	0	Grab
		6-27-62	681	8.2	27/1.35	14/1.15	82/3.55	12/0.30	14/0.78	0/0.00	234/3.83	42/0.89	58/1.63	0/0.00	30	1.0/0.05	0	27	495	50	125	0	Grab
4	City of Palm Springs	7-23-56	650	9.4	35/1.73	10/0.82	67/2.91	12/0.30	0.54/0.03	25/0.84	154/2.52	34/0.70	52/1.47	0/0.00	3.8/0.12	1.0/0.05	0.0	56	488	53	128	0	Grab
		7-25-58	398	7.1	22/1.10	7/0.58	35/1.52	7.2/0.18	8.6/0.48	0/0.00	146/2.40	18/0.38	32/0.90	0.5/0.01	--	1.2/0.06	0.44	30	270	39	86	0	Grab
		5-25-60	731	7.1	33/1.66	8/0.66	81/3.50	9/0.24	15/0.82	0/0.00	221/3.62	5/0.10	92/2.59	0/0.00	27	1.6/0.08	0.4	28	490	50	116	0	Grab
		6-28-62	582	9.5	11/0.55	10/0.80	85/3.70	10/0.27	0/0.00	0/0.00	110/1.80	27/0.57	85/2.39	13/0.22	7.0	0.6/0.03	0	19	385	70	68	0	Grab
5	U. S. Marine Corps Training Center, Twentynine Palms	7-23-56	550	8.1	20/1.00	7.1/0.58	90/3.91	7.0/0.18	--	0/0.00	144/2.36	77/1.60	54/1.52	0/0.00	--	1.0/0.05	0.0	24	452	71	79	0	Grab
		7-25-58	1,323	7.6	27/1.34	6/0.50	222/9.65	12/0.30	0.80/0.04	0/0.00	159/2.60	224/4.66	169/4.76	0/0.00	2.1/0.07	2.8/0.15	1.6	33	904	82	62	0	Grab
		6- 1-60	756	7.5	17/0.87	6/0.50	114/4.95	7/0.18	8/0.46	0/0.00	175/2.86	90/1.88	77/2.17	0/0.00	18	2.3/0.12	0.26	20	1,010	71	67	0	Grab
		6-28-62	544	9.6	9/0.46	2/0.22	107/4.65	8/0.20	0/0.00	11/0.38	106/1.73	56/1.16	63/1.79	0/0.00	20	1.0/0.05	0	28	380	84	34	0	Grab
6	City of Brawley	7-26-56	1,410	7.0	98/4.92	43/3.51	159/6.92	8.0/0.20	--	0/0.00	226/3.70	397/8.27	146/4.11	0/0.00	0/0.00	0.21/0.01	0.1	9.8	1,052	45	422	237	
		7-22-58	1,320	7.3	58/2.92	47/3.93	129/5.61	8.8/0.23	13/0.72	0/0.00	227/3.71	314/6.54	116/3.27	0/0.00	5/0.16	0.66/0.04	0.20	15	901	42	342	156	Grab

TABLE C-7 (continued)

MINERAL ANALYSES OF WASTE WATER

COLORADO RIVER BASIN REGION (NO. 7)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$ Total (ppm)	Hardness as $CaCO_3$ NC (ppm)	Remarks
					Mineral constituents in parts per million / equivalents per million																		
6	City of Brawley (continued)	6- 9-60	1,505	7.4	79 / 3.97	38 / 3.10	159 / 6.90	7 / 0.30	20 / 1.11	0 / 0.00	269 / 4.42	345 / 7.18	137 / 3.94	0 / 0.00	20 / 0.62	0.66 / 0.03	0.22	16	1,055	45	354	133	Grab
		3-13-62	1,661	7.5	45 / 2.24	52 / 4.26	235 / 10.20	15 / 0.38	37 / 2.05	0 / 0.00	316 / 5.18	355 / 7.38	171 / 4.82	0 / 0.00	39	5.4 / 0.29	0.82	23	1,215	53	325	66	15 hr. composite
7	City of El Centro	7-26-56	3,080	7.2	178 / 8.90	84 / 6.87	440 / 19.15	12 / 0.31	11 / 0.59	0 / 0.00	637 / 10.44	158 / 3.30	780 / 21.97	0 / 0.00	0 / 0.00	0.1	0.1	13	2,336	55	789	267	Grab
		7-21-58	3,909	8.9	176 / 8.80	78 / 6.42	536 / 23.30	18 / 0.45	9.9 / 0.55	0 / 0.00	244 / 4.00	386 / 8.04	979 / 27.58	0 / 0.00	14 / 0.44	0.28 / 0.02	0.40	19	2,654	59	761	561	
		6- 9-60	5,264	9.0	229 / 11.44	103 / 8.52	708 / 30.80	9 / 0.38	11 / 0.61	12 / 0.40	207 / 3.40	478 / 9.96	[illegible] / 38.86	0 / 0.00	3 / 0.11	0.38 / 0.02	0.88	22	3 405	60	998	828	Grab
		3-13-62	5,112	7.9	284 / 14.16	90 / 7.44	604 / 26.25	22 / 0.22	25 / 1.37	0 / 0.00	254 / 4.16	468 / 9.75	1,384 / 36.16	0 / 0.00	17	0.46 / 0.02	0.67	35	3.315	53	[illegible]	872	Grab
8	City of Boltville	7-25-56	1,650	7.1	93 / 4.66	41 / 3.39	290 / 10.00	7.8 / 0.20	12 / 0.65	0 / 0.00	246 / 4.04	379 / 7.88	232 / 6.54	0 / 0.00	0 / 0.00	0.35 / 0.02	0.2	12	1,160	55	403	1	
		7-22-58	1,632	7.5	56 / 2.78	44 / 3.55	214 / 9.30	8.4 / 0.22	0.90 / 0.05	0 / 0.00	184 / 3.02	289 / 6.02	219 / 6.17	20 / 0.32	8 / 0.25	0.32 / 0.02	0.40	13	1,140	59	316	165	
		6- 9-60	1,848	7.6	73 / 3.66	39 / 3.20	237 / 10.3	6 / 0.28	6.4 / 0.35	0 / 0.00	179 / 2.94	325 / 6.77	234 / 6.59	34 / 0.55	29 / 0.92	1.3 / 0.07	1.3	10	1.215	58	343	196	Grab
		3-14-62	1,379	7.0	46 / 2.29	25 / 2.09	209 / 9.10	8 / 0.20	23 / 1.29	0 / 0.00	204 / 3.35	210 / 4.36	235 / 6.62	0 / 0.00	0.79	0.99 / 0.05	0.80	10	965	61	219	51	15 hr. composite
9	City of Needles	7-22-56	1,800	6.6	98 / 4.90	42 / 3.46	294 / 12.80	12 / 0.32	9.9 / 0.55	0 / 0.00	295 / 4.84	362 / 7.55	299 / 8.43	0 / 0.00	--	0.6 / 0.03	0.25	36	1.496	60	418	176	Grab
		8- 1-58	2,711	7.4	123 / 6.14	60 / 4.90	373 / 16.20	18 / 0.45	0.72 / 0.04	0 / 0.00	458 / 7.50	495 / 10.31	376 / 10.59	0 / 0.00	2.5 / 0.08	1.9 / 0.10	0.50	44	1,895	58	552	177	Grab
		5-17-60	2,444	7.7	107 / 5.38	46 / 3.84	346 / 15.05	24 / 0.62	3.0 / 1.65	0 / 0.00	334 / 5.48	495 / 10.31	372 / 10.48	2 / 0.03	4.7 / 0.15	0.8 / 0.04	0.14	33	1.731	57	461	187	Grab
10	City of Blythe	8-22-56	1,590	7.1	120 / 6.00	65 / 5.30	170 / 7.39	5.2 / 0.13	--	0 / 0.00	437 / 7.16	342 / 7.10	188 / 5.29	0 / 0.00	--	0.2 / 0.01	0.0	26	1,276	39	565	207	Grab
		8- 1-58	1,707	7.5	126 / 6.30	46 / 3.80	177 / 7.70	6.5 / 0.17	1.44 / 0.08	0 / 0.00	375 / 6.15	335 / 6.97	178 / 5.01	0 / 0.00	5.7 / 0.18	0.20 / 0.01	0.60	19	1.014	43	505	197	Grab
		5-18-60	1,809	7.4	111 / 5.55	33 / 2.71	191 / 8.30	10 / 0.27	25 / 1.41	0 / 0.00	456 / 7.48	236 / 4.92	196 / 5.53	0 / 0.00	24 / 0.8	0.2 / 0.01	0.08	23	1,244	45	413	39	Grab
		6- 6-62	1,883	7.6	102 / 5.09	38 / 3.15	235 / 10.22	10 / 0.26	--	0 / 0.00	317 / 5.20	318 / 6.63	190 / 5.36	80 / 1.29	--	1.8 / 0.09	1.48	39	1,166	55	412	152	Grab

TABLE c-8

MINERAL ANALYSES OF WASTE WATER

ARMY ARMY [illegible] (RC. [illegible])

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N C (ppm)	Remarks
1	City of Chino Plant No. 1	3- 7-56	818	7.4	54/2.68	17/1.36	60/2.61	18/0.46	0/0.00	0/0.00	217/3.56	51/1.07	51/1.44	118/1.90	--	--	1.0	--	530	37	202	24	Grab
		12-19-56	714	7.4	51/2.54	14/1.13	64/2.78	16/0.42	9.4/0.52	0/0.00	217/3.56	53/1.10	39/1.10	77/1.24	--	1.2/0.06	0.30	--	488	38	184	6	Grab
		11- 1-57	740	6.7	57/2.83	16/1.29	75/3.26	17/0.45	9.5/0.53	0/0.00	292/4.78	77/1.60	44/1.24	60/0.97	--	1.0/0.05	0.70	--	539	39	206	0	Grab
		3-17-58	839	7.7	43/2.15	19/1.59	90/3.92	16/0.42	0/0.00	0/0.00	177/2.90	62/1.30	46/1.30	126/2.03	--	2.8/0.15	0.56	--	580	49	187	42	Grab
		9-16-58	924	7.9	46/2.27	15/1.21	105/4.57	12/0.32	20/1.10	0/0.00	366/6.00	53/1.10	69/1.95	0.5/0.01	--	1.6/0.08	0.62	--	523	48	174	0	Grab
		7-24-59	864	7.8	40/2.00	18/1.48	77/3.35	13/0.33	26/1.42	0/0.00	405/6.64	21/0.44	43/1.21	1/0.02	--	0.7/0.04	0.20	--	600	39	175	0	Grab
		1-15-60	1,017	7.3	62/3.09	20/1.64	60/2.61	16/0.41	23/1.27	0/0.00	347/5.68	48/1.00	14/0.39	112/1.81	--	0.6/0.03	0.17	--	563	29	237	0	Grab
		1-18-61	946	7.0	53/2.64	24/1.97	56/2.43	19/0.49	47/2.62	0/0.00	469/7.68	36/0.75	51/1.44	3.0/0.05	--	0.48/0.03	0.34	--	495	24	229	0	Grab
2	City of Chino Plant No. 2	9-14-61	976	6.7	25/1.25	24/1.97	93/4.04	14/0.35	45/2.49	0/0.00	447/7.32	35/0.73	62/1.75	2.5/0.04	45	0.69/0.04	0.50	--	519	40	160	0	Grab
		1-11-62	1,010	7.6	39/1.95	18/1.48	88/3.83	19/0.50	53/2.94	0/0.00	495/8.12	7/0.15	66/1.86	4.0/0.06	49	0.54/0.03	0.38	--	529	36	170	0	Grab
3	City of Colton	6-13-56	879	7.5	57/2.83	15/1.26	80/3.48	12/0.32	23/1.25	0/0.00	344/5.64	67/1.39	68/1.92	1.5/0.02	--	--	0.44	--	503	39	204	0	Grab
		12-19-56	864	7.3	56/2.79	16/1.30	66/2.87	14/0.35	22/1.24	0/0.00	342/5.60	48/1.00	59/1.66	0/0.00	--	1.2/0.06	0.30	--	480	34	204	0	Grab
		11- 1-57	977	7.4	57/2.83	11/0.90	114/4.96	15/0.37	29/1.60	0/0.00	361/5.92	49/1.02	131/3.69	1.0/0.02	--	1.0/0.05	0.42	--	602	47	187	0	Grab
		2-27-58	883	7.1	48/2.40	14/1.16	75/3.26	14/0.35	--	0/0.00	368/6.04	53/1.11	54/1.52	0/0.00	--	1.0/0.05	0.40	--	472	37	178	0	Grab
		9-16-58	856	7.9	42/2.10	25/2.03	78/3.39	11/0.26	13/0.74	0/0.00	322/5.28	60/1.24	68/1.92	1.0/0.02	--	1.2/0.06	0.30	--	470	40	206	0	Grab
		5-22-59	--	7.4	54/2.7	23/1.9	78/3.4	14/0.35	--	0/0.00	351	70	71	0/0.00	--	0.40	0.70	--	485	41	228	--	Grab
		1-12-60	895	7.1	60/2.99	9/0.74	79/3.43	14/0.36	24/1.34	0/0.00	337/5.52	55/1.15	70/1.97	2.0/0.03	--	1.2/0.06	0.16	--	517	39	185	0	Grab
		6-30-60	965	8.1	65/3.24	13/1.07	98/4.26	13/0.33	24/1.34	0/0.00	361/5.92	65/1.35	96/2.71	1.0/0.02	23	0.5/0.03	0.44	28	541	42	215	0	Grab
		10-27-60	874	8.0	47/2.35	21/1.73	90/3.91	14/0.35	25/1.40	10/0.32	327/5.36	62/1.29	84/2.37	18/0.30	--	0.64/0.03	0.78	--	516	40	202	0	Grab
		1-17-61	962	7.4	53/2.64	16/1.32	91/3.96	16/0.40	28/1.55	0/0.00	388/6.36	63/1.31	74/2.09	3.5/0.06	30	0.48/0.03	0.42	--	555	40	200	0	Grab

TABLE C-8 (continued)

MINERAL ANALYSES OF WASTE WATER

SANTA ANA REGION (NO. 8)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N.C. (ppm)	Remarks
3	City of Colton (continued)	1-11-62	1,000	7.3	46/2.30	24/1.97	98/4.26	19/0.48	26/1.42	0/0.00	400/6.56	43/0.90	85/2.40	4.0/0.06	28	0.58/0.03	0.60	--	591	41	213	0	Grab
		6- 7-62	983	7.5	44/2.20	25/2.06	87/3.78	15/0.39	29/1.58	0/0.00	376/6.16	68/1.42	76/2.14	2.5/0.04	30	1.0/0.05	0.57	--	534	38	210	0	Grab
4	City of Corona	8-11-56	1,070	7.5	44/2.18	32/2.66	143/6.23	12/0.31	--	0/0.00	272/4.46	155/3.23	130/3.66	15/0.24	10/0.31	0.4/0.02	1.8	25	792	55	242	19	Grab
		7-29-58	1,200	7.8	69/3.45	26/2.14	152/6.60	16/0.40	0/0.00	0/0.00	239/3.91	145/3.02	168/4.73	16/0.26	0.60/0.02	1.0/0.05	2.2	29	876	52	279	83	Grab
		6-28-60	1,332	8.7	80/3.99	26/2.14	168/7.31	15/0.38	1.1/0.06	29/0.96	205/3.36	161/3.36	197/5.56	37/0.60	2.9	1.0/0.05	1.5	33	878	53	307	189	Grab
		2- 1-61	1,078	7.3	68/3.39	30/2.43	118/5.13	13/0.32	1.4/0.08	0/0.00	183/3.00	168/3.49	114/3.21	90/1.45	--	1.2/0.06	2.3	35	786	45	291	159	Grab
		6-25-62	1,559	7.7	82/4.10	35/2.93	214/9.30	16/0.41	4/0.22	0/0.00	333/5.47	169/3.53	215/6.05	29/0.47	40	4.8/0.25	1.8	33	1,120	55	274	78	Grab
5	U. S. Marine Corps Air Station El Toro	8- 8-56	1,520	7.3	42/2.12	30/2.48	280/12.15	16/0.41	--	0/0.00	236/3.86	379/7.90	165/4.65	69/1.12	10/0.31	0.6/0.03	0.34	16	1,108	72	230	37	
		7- 7-58	1,537	7.6	48/2.40	23/1.89	221/9.60	18/0.45	17/0.97	0/0.00	236/3.87	313/6.52	144/4.06	9.7/0.16	20/0.62	1.1/0.06	0.54	16	996	63	214	20	
		6-28-60	1,590	8.0	58/2.89	23/1.89	231/10.05	16/0.41	20/1.12	0/0.00	256/4.20	288/6.00	200/5.64	9.5/0.15	24	1.4/0.07	0.56	16	974	61	239	29	
		2- 1-61	1,590	7.3	47/2.35	23/1.89	250/10.88	15/0.38	22/1.24	0/0.00	224/3.68	337/7.03	192/5.41	16/0.26	--	1.4/0.07	0.68	17	1,005	65	213	29	Grab
		6-20-62	1,606	6.8	50/2.52	27/2.22	235/10.20	16/0.42	43/2.38	0/0.00	282/4.62	297/6.18	176/4.96	0/0.00	37	--	0.59	15	1,145	57	231	6	Grab
6	City of Fontana	4-30-58	918	7.3	36/1.80	12/0.99	75/3.26	18/0.46	56/3.12	0/0.00	395/6.48	36/0.75	75/2.12	0.5/0.01	--	0.4/0.02	0.64	20	455	34	138	0	
		10-21-58	907	7.4	41/2.06	17/1.38	66/2.87	16/0.41	41/2.26	0/0.00	388/6.36	24/0.50	59/1.66	0/0.00	--	1.0/0.05	0.54	--	417	32	172	0	Grab
		4-15-59	860	7.6	32/1.60	18/1.44	65/2.83	17/0.44	43/2.40	0/0.00	386/6.32	26/0.54	50/1.41	0/0.00	--	1.2/0.06	0.26	--	407	32	153	0	
		7-24-59	858	7.7	38/1.90	13/1.07	56/2.44	22/0.56	47/2.61	0/0.00	395/6.48	22/0.46	45/1.27	1/0.02	--	0.3/0.02	0.34	--	427	28	149	0	Grab
		1-17-60	879	7.4	29/1.45	19/1.56	73/3.17	14/0.37	41/2.26	0/0.00	371/6.08	44/0.92	53/1.49	2.5/0.04	42	0.45/0.02	0.44	--	445	36	151	0	Grab
		6-30-60	814	7.0	45/2.25	9/0.74	68/2.96	15/0.38	36/2.00	0/0.00	371/6.08	40/0.84	45/1.27	0.5/0.01	43	0.36/0.02	0.32	25	419	36	149	0	Grab
		9-14-61	974	6.8	35/1.75	23/1.89	84/3.65	14/0.37	41/2.28	0/0.00	376/6.16	73/1.52	66/1.86	2.0/0.03	36	0.40/0.02	0.44	--	504	38	183	0	Grab
		1-11-62	923	7.2	37/1.85	21/1.73	73/3.17	16/0.41	45/2.50	0/0.00	415/6.80	48/1.00	52/1.47	3.0/0.05	--	0.62/0.03	0.52	--	472	33	178	0	Grab

TABLE C-8 (continued)

MINERAL ANALYSES OF WASTE WATER

SANTA ANA REGION (NO. 8)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N.C. (ppm)	Remarks
7	Kaiser Steel Corporation Fontana	8-20-58	754	7.1	62 / 3.07	11 / 0.85	47 / 2.06	12 / 0.32	--	0 / 0.00	297 / 4.86	--	74 / 2.08	0 / 0.00	--	0 / 0.00	0.10	29	476	33	196	0	Grab
		1-15-60	351	7.1	20 / 1.00	7 / 0.58	27 / 1.17	6.0 / 0.15	4.5 / 0.25	0 / 0.00	37 / 0.60	51 / 1.06	31 / 0.87	33 / 0.53	--	1.0 / 0.05	0.72	--	222	37	76	46	Grab
		1-18-61	374	6.9	18 / 0.90	5 / 0.41	40 / 1.74	7.4 / 0.19	2.7 / 0.15	0 / 0.00	56 / 0.92	50 / 1.04	33 / 0.93	35 / 0.56	4.3	0.58 / 0.03	1.1	--	251	51	67	21	Grab
8	March Air Force Base Main Plant	8- 9-56	1,040	6.2	24 / 1.22	15 / 1.23	168 / 7.31	13 / 0.34	8.5 / 0.47	0 / 0.00	49 / 0.80	195 / 4.07	158 / 4.45	38 / 0.62	2 / 0.06	0.6 / 0.03	0.2	23	764	--	123	83	Grab
		7-24-58	1,226	7.5	28 / 1.40	16 / 1.32	152 / 6.61	15 / 0.37	39 / 2.16	0 / 0.00	234 / 3.84	168 / 3.51	142 / 4.00	1.0 / 0.02	--	1.4 / 0.07	1.8	35	690	56	136	0	Grab
		6-29-60	1,074	7.5	37 / 1.85	12 / 0.99	140 / 6.09	14 / 0.36	16 / 0.88	0 / 0.00	156 / 2.56	119 / 2.48	160 / 4.51	25 / 0.40	15	1.0 / 0.05	1.6	29	658	60	143	13	
		2- 1-61	1,379	7.3	32 / 1.60	13 / 1.07	210 / 9.14	16 / 0.41	22 / 1.24	0 / 0.00	134 / 2.20	323 / 6.73	134 / 3.78	45 / 0.72	--	0.8 / 0.04	1.5	15	850	68	135	25	Grab
9	March Air Force Base West Plant	8- 9-56	1,570	7.0	19 / 0.95	22 / 1.83	264 / 11.50	15 / 0.38	3.2 / 0.18	0 / 0.00	94 / 1.54	408 / 8.49	154 / 4.34	42 / 0.68	14 / 0.44	0.6 / 0.03	0.1	18	1,108	80	139	62	Grab
		7-24-58	1,290	7.5	19 / 0.95	17 / 1.40	210 / 9.14	16 / 0.40	14 / 0.78	0 / 0.00	188 / 3.08	264 / 5.51	127 / 3.58	0.5 / 0.01	--	2.4 / 0.13	0.56	20	840	72	123	0	Grab
		6-30-60	1,211	6.5	33 / 1.65	11 / 0.90	198 / 8.61	14 / 0.36	1.4 / 0.08	0 / 0.00	41 / 0.68	267 / 5.57	143 / 4.03	88 / 1.42	40	1.6 / 0.08	0.44	15	816	74	128	93	
		2- 1-61	1,340	6.4	16 / 0.80	23 / 1.89	225 / 9.79	15 / 0.38	0.7 / 0.04	0 / 0.00	27 / 0.44	317 / 6.60	142 / 4.00	92 / 1.48	--	1.5 / 0.08	0.60	12	890	76	135	113	Grab
10	County Sanitation Districts of Orange County Plant No. 1	3-26-57	1,940	7.7	71 / 3.55	27 / 2.20	274 / 11.90	22 / 0.55	--	0 / 0.00	485 / 7.95	212 / 4.42	206 / 5.80	1.3 / 0.02	--	2.2 / 0.12	0.30	--	1,030	65	288	0	Grab
		6- 2-59	1,416	7.5	61 / 3.05	17 / 1.44	192 / 8.35	15 / 0.39	14 / 0.80	0 / 0.00	292 / 4.78	212 / 4.42	180 / 5.07	0 / 0.00	0.15 / 0.01	3.9 / 0.20	0.53	23	988	60	225	0	
		7- 5-60	1,522	7.2	70 / 3.49	21 / 1.73	195 / 8.48	24 / 0.61	32 / 1.79	0 / 0.00	373 / 6.12	242 / 5.05	156 / 4.40	0 / 0.00	26	3.3 / 0.17	0.48	20	947	54	259	0	
		6-28-62	2,524	6.9	88 / 4.38	29 / 2.42	354 / 15.40	23 / 0.59	68 / 3.78	0 / 0.00	496 / 8.14	226 / 4.71	445 / 12.53	0 / 0.00	62	1.3	2.3	--	1,780	58	340	0	
11	County Sanitation Districts of Orange County Plant No. 2	6- 2-59	5,395	7.6	64 / 3.20	42 / 3.48	973 / 42.30	20 / 0.50	30 / 1.68	0 / 0.00	263 / 4.32	256 / 5.33	1,456 / 41.04	0 / 0.00	0.15 / 0.01	0.56	5.0	22	3,092	85	334	118	
		7- 5-60	6,623	7.2	103 / 5.14	90 / 7.40	1,200 / 52.20	42 / 1.08	40 / 2.24	0 / 0.00	429 / 7.04	341 / 7.11	1,885 / 53.16	7.5 / 0.12	26	1.0 / 0.05	3.1	25	3,986	77	623	275	
		6-27-62	4,703	7.3	84 / 4.20	62 / 5.12	791 / 34.40	27 / 0.68	91 / 5.04	0 / 0.00	795 / 13.04	15 / 0.33	1,210 / 34.07	0 / 0.00	48	0.93 / 0.05	3.1	--	3,205	70	466	0	
12	Cities of Ontario-Upland	8- 9-56	1,120	7.3	46 / 2.28	28 / 2.32	152 / 6.61	18 / 0.46	11 / 0.59	0 / 0.00	344 / 5.64	114 / 2.38	141 / 3.97	0 / 0.00	7.9 / 0.25	0.4 / 0.02	0.3	24	732	59	230	0	
		1- 7-58	804	7.2	31 / 1.54	19 / 1.54	90 / 3.92	12 / 0.32	17 / 0.92	0 / 0.00	249 / 4.08	50 / 0.14	70 / 1.97	40 / 0.65	--	1.2 / 0.06	0.96	--	521	48	154	0	

TABLE C-8 (continued)

MINERAL ANALYSES OF WASTE WATER

SANTA ANA REGION (NO. 8)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
12	Cities of Ontario-Upland (continued)	7-28-58	1,010	7.4	35/1.75	20/1.64	111/4.83	15/0.39	21/1.16	0/0.00	259/4.24	103/2.14	92/2.59	44/0.71	--	1.0/0.05	0.56	40	610	49	192	0	Grab
		12- 4-58	816	7.5	42/2.08	12/1.02	94/4.09	12/0.32	7.5/0.42	0/0.00	193/3.16	55/1.14	81/2.28	58/0.94	--	1.4/0.07	0.84	--	518	52	155	0	Grab
		7-24-59	780	7.4	40/2.00	19/1.56	81/3.52	13/0.32	5/0.30	0/0.00	217/3.56	72/1.50	67/1.89	40/0.64	--	0.6/0.03	0.85	--	494	46	177	0	Grab
		1-15-60	771	7.3	62/3.09	13/1.07	41/1.71	10/0.26	27/1.51	0/0.00	303/4.96	48/1.00	55/1.55	5.5/0.09	--	1.0/0.05	0.67	--	422	--	206	0	Grab
		8- 1-60	848	7.7	39/1.95	20/1.64	102/4.44	13/0.33	16/0.87	0/0.00	264/4.32	77/1.61	76/2.14	17/0.27	35	1.0/0.05	0.80	32	540	48	178	0	
		12- 6-60	862	7.6	28/1.40	21/1.73	105/4.56	28/0.71	16/0.90	0/0.00	295/4.84	44/0.92	90/2.54	22/0.36	30	1.1/0.06	0.62	--	553	50	153	0	Grab
		9-14-61	854	7.1	40/2.00	20/1.64	86/3.74	12/0.31	15/0.82	0/0.00	205/3.36	73/1.52	80/2.26	55/0.89	23	0.76/0.04	0.54	--	509	44	181	13	Grab
		1-11-62	1,034	7.6	43/2.15	20/1.64	120/5.22	14/0.36	18/0.97	0/0.00	271/4.44	104/2.17	87/2.45	56/0.90	42	0.90/0.05	0.92	--	614	51	191	0	Grab
13	City of Redlands	8-11-56	960	7.2	49/2.44	22/1.82	99/4.30	12/0.31	24/1.35	0/0.00	354/5.80	11/0.23	90/2.54	0/0.00	14/0.44	0.2/0.01	0.7	24	576	50	213	0	Grab
		2-14-57	975	7.9	30/1.50	16/1.32	86/3.74	21/0.53	63/3.51	0/0.00	417/6.84	48/1.01	66/1.86	0.5/0.01	29	1.6/0.08	3.3	--	435	53	141	0	
		6-11-57	922	7.3	34/1.70	19/1.56	96/4.18	15/0.39	35/1.92	0/0.00	390/6.40	54/1.13	80/2.26	0/0.00	--	1.2/0.06	2.0	30	515	53	163	0	
		2-25-58	1,100	7.7	28/1.42	13/1.08	66/2.87	19/0.48	88/4.91	0/0.00	478/7.84	54/1.13	52/1.47	0.5/0.01	--	1.6/0.08	5.2	--	419	49	125	0	Grab
		7-29-58	1,013	7.5	41/2.03	17/1.43	110/4.80	18/0.45	12/0.68	0/0.00	314/5.15	45/0.94	109/3.07	0.59/0.01	1.1/0.04	1.2/0.06	2.5	33	684	51	173	0	Grab
		7-24-59	891	7.3	51/2.54	16/1.32	75/3.26	9.0/0.23	29/1.62	0/0.00	376/6.16	36/0.75	68/1.92	1/0.02	--	0.5/0.03	0.92	--	479	36	194	0	Grab
		1-12-60	996	7.3	50/2.50	14/1.15	72/3.13	13/0.32	46/2.57	0/0.00	349/5.72	51/1.06	95/2.68	4.5/0.07	--	1.6/0.08	2.5	--	503	32	157	0	Grab
		5-25-60	1,121	7.2	37/1.83	27/2.17	127/5.50	16/0.40	28/1.57	0/0.00	395/6.48	62/1.28	113/3.18	0/0.00	39	0.2/0.01	4.0	30	795	48	200	0	Grab
		1-17-61	938	7.4	46/2.30	19/1.56	105/4.56	16/0.41	39/2.18	0/0.00	417/6.84	59/1.23	98/2.76	2.5/0.04	28	0.81/0.04	1.6	--	564	41	193	0	Grab
		9-14-61	858	6.8	52/2.59	19/1.56	65/2.83	10/0.26	30/1.68	0/0.00	395/6.48	43/0.90	52/1.47	4.5/0.07	22	0.81/0.04	0.20	--	444	32	209	0	Grab
		1-11-62	951	7.1	46/2.30	17/1.40	80/3.48	12/0.30	41/2.30	0/0.00	388/6.36	43/0.90	77/2.17	2.5/2.17	22	0.90/0.05	0.38	--	460	37	185	0	Grab
14	City of Rialto	6-13-56	1,030	7.4	45/2.20	10/0.85	82/3.57	17/0.43	53/2.93	0/0.00	422/6.92	21/0.43	79/2.23	1.0/0.02	--	--	3.2	--	570	36	156	0	Grab
		12-19-56	933	7.6	36/1.82	13/1.05	76/3.31	16/0.41	44/2.42	0/0.00	381/6.24	42/0.88	53/1.49	0/0.00	--	1.2/0.06	0.39	--	452	37	143	0	Grab

TABLE [illegible] (continued)

MINERAL ANALYSES OF WASTE WATER

[illegible]

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N.C. (ppm)	Remarks
14	City of Rialto (continued)	4-12-57	788	7.1	36 / 1.80	10 / 0.82	90 / 3.92	17 / 0.43	38 / 2.11	0 / 0.00	412 / 6.76	40 / 0.83	50 / 1.41	0 / 0.00	--	--	1.4	--	436	38	131	0	Grab
		11- 1-57	786	7.3	40 / 1.97	12 / 0.99	75 / 3.26	12 / 0.30	39 / 2.17	0 / 0.00	361 / 5.92	34 / 0.71	61 / 1.72	0.5 / 0.01	--	1.4 / 0.07	0.40	--	465	38	148	0	Grab
		7-28-58	835	7.5	26 / 1.30	12 / 0.99	90 / 3.92	18 / 0.46	32 / 1.78	0 / 0.00	339 / 5.56	35 / 0.73	61 / 1.72	1.0 / 0.02	--	0.4 / 0.02	0.44	30	550	46	119	0	Grab
		7-24-59	882	7.6	35 / 1.75	16 / 1.32	78 / 3.39	13 / 0.32	35 / 1.93	0 / 0.00	351 / 5.76	40 / 0.83	68 / 1.92	2 / 0.04	--	0.4 / 0.02	1.37	--	340	39	152	0	Grab
		1-12-60	847	7.2	49 / 2.45	6 / 0.49	71 / 3.09	13 / 0.34	35 / 1.93	0 / 0.00	332 / 5.44	44 / 0.92	53 / 1.49	13 / [illegible]	--	0.6 / 0.03	0.46	--	414	37	146	0	Grab
		6-30-60	883	7.8	50 / 2.50	7 / 0.58	84 / 3.65	15 / 0.38	28 / 1.53	0 / 0.00	344 / 5.64	44 / 0.91	61 / 1.72	42 / 0.68	20	1.4 / 0.07	0.60	29	457	42	153	0	Grab
		2- 2-61	955	7.5	37 / 1.85	12 / 1.01	83 / 3.61	14 / 0.37	59 / 3.30	0 / 0.00	425 / 6.96	38 / 0.80	78 / 2.20	0.6 / 0.01	--	0.4 / 0.02	0.40	29	451	36	143	0	Grab
		9-14-61	840	7.2	32 / 1.60	19 / 1.56	79 / 3.43	15 / 0.38	31 / 1.74	0 / 0.00	369 / 6.04	43 / 0.90	54 / 1.52	1.5 / 0.02	40	0.44 / 0.02	0.53	--	446	39	155	0	Grab
		1-11-62	892	--	32 / 1.60	15 / 1.32	76 / 3.30	16 / 0.40	47 / 2.59	0 / 0.00	400 / 6.56	36 / 0.75	55 / 1.55	2.5 / 0.40	40	0.53 / 0.03	0.46	--	448	36	142	0	Grab
15	City of Riverside Plant No. 1	8-11-56	850	7.3	31 / 1.54	21 / 1.71	118 / 5.13	13 / 0.33	9.5 / 0.53	0 / 0.00	239 / 3.92	65 / 1.36	108 / 3.04	14 / 0.22	10 / 0.31	1.1 / 0.06	0.7	22	556	61	163	0	Grab
		1- 8-57	870	7.0	36 / 1.80	8 / 0.66	124 / 5.39	13 / 0.34	--	0 / 0.00	192 / 3.15	62 / 1.29	113 / 3.18	38 / 0.61	--	0.4 / 0.02	0.2	24	532	66	123	0	Grab
		10- 8-57	759	7.0	31 / 1.55	12 / 0.99	140 / 6.09	14 / 0.35	3.4 / 0.19	0 / 0.00	193 / 3.16	62 / 1.29	140 / 3.95	51 / 0.82	--	1.6 / 0.08	1.0	30	552	66	127	0	Grab
		3- 4-58	918	7.4	30 / 1.50	13 / 1.07	114 / 4.96	14 / 0.35	22 / 1.24	0 / 0.00	311 / 5.10	50 / 1.05	95 / 2.68	7.9 / 0.13	--	1.2 / 0.06	1.6	20	492	54	127	[illegible]	Grab
		11-11-58	926	6.9	42 / 2.10	11 / 0.90	122 / 5.31	14 / 0.37	15 / 0.84	0 / 0.00	306 / 5.02	69 / 1.44	105 / 2.96	5.6 / 0.09	--	0.9 / 0.05	0.45	20	544	56	150	0	Grab
		5- 5-59	1,064	7.4	33 / 1.63	18 / 1.46	123 / 5.33	11 / 0.29	--	0 / 0.00	230 / 3.76	75 / 1.57	115 / 3.24	18 / 0.29	--	1.77	2.2	26	684	61	155	0	Grab
		12-31-59	1,107	7.4	40 / 2.00	17 / 1.40	142 / 6.94	13 / 0.34	--	0 / 0.00	146 / 2.40	123 / 2.56	143 / 4.03	0.7 / 0.01	--	0.7 / 0.04	0.55	--	664	57	172	0	Grab
		6-28-60	1,032	7.4	53 / 2.64	15 / 1.23	126 / 5.48	14 / 0.36	13 / 0.70	0 / 0.00	259 / 4.24	114 / 2.38	120 / 3.38	13 / 0.21	28	0.90 / 0.05	0.56	24	618	53	193	0	Grab
		2- 2-61	982	7.3	28 / 1.40	16 / 1.30	127 / 5.52	13 / 0.33	23 / 1.30	0 / 0.00	270 / 4.42	61 / 1.27	131 / 3.69	18 / 0.29	--	1.1 / 0.06	0.73	26	591	56	135	0	Grab
16	City of Riverside Plant No. 2	10- 4-57	1,800	8.5	189 / 9.45	43 / 3.50	201 / 8.72	1.2 / 0.03	--	18 / 0.6	479 / 7.85	301 / 6.26	273 / 7.7	15 / 0.25	--	1.9 / 0.10	0.48	--	1,398	40	648	253	Grab
		6-28-60	2,179	7.6	178 / 8.88	37 / 3.04	240 / 10.44	24 / 0.61	13 / 0.74	0 / 0.00	561 / 9.20	360 / 7.50	262 / 7.39	1.0 / 0.02	12	1.5 / 0.08	0.60	30	1,419	44	596	136	Grab

TABLE C-8 (continued)

MINERAL ANALYSES OF WASTE WATER

SANTA ANA REGION (NO. 8)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
16	City of Riverside Plant No. 2 (continued)	2- 1-61	2,310	7.7	204 / 10.18	34 / 2.78	272 / 11.83	16 / 0.41	23 / 1.30	0 / 0.00	575 / 9.42	413 / 8.61	298 / 8.40	0 / 0.00	--	1.1 / 0.06	0.62	36	1,577	45	648	178	Grab
		6-27-62	2,075	7.7	132 / 6.58	35 / 2.92	285 / 12.40	16 / 0.42	14 / 0.78	0 / 0.00	520 / 8.54	255 / 5.31	287 / 8.09	0 / 0.00	19	0.5 / 0.03	0	24	1,510	54	427	48	Grab
17	City of San Bernardino Plant No. 1	6- 7-55	844	7.3	40 / 2.01	13 / 1.10	100 / 4.36	12 / 0.30	3.0 / 0.18	0 / 0.00	181 / 2.96	60 / 1.25	78 / 2.20	73 / 1.18	--	--	0.58	--	543	55	155	7	Grab
		12-11-55	834	7.2	44 / 2.20	12 / 0.97	102 / 4.44	13 / 0.34	7.5 / 0.42	0 / 0.00	156 / 2.56	73 / 1.53	83 / 2.34	82 / 1.33	30	--	0.32	--	557	53	158	30	Grab
		8-10-56	800	7.2	35 / 1.75	23 / 1.90	76 / 3.30	11 / 0.29	9.5 / 0.53	0 / 0.00	172 / 2.82	61 / 1.26	80 / 2.25	41 / 0.66	6 / 0.19	0.40 / 0.02	0.40	24	544	47	183	42	
		2-14-57	1,377	7.2	40 / 2.00	20 / 1.64	190 / 8.27	24 / 0.60	21 / 1.15	0 / 0.00	281 / 4.60	63 / 1.31	219 / 6.18	50 / 0.81	31	1.6 / 0.08	0.54	--	910	61	182	0	
		8-10-57	808	7.4	51 / 2.55	13 / 1.06	92 / 4.00	12 / 0.31	5.1 / 0.29	0 / 0.00	236 / 3.87	63 / 1.31	75 / 2.12	30 / 0.48	--	1.2 / 0.06	0.38	--	521	49	180	0	Grab
		1- 9-58	1,080	6.9	60 / 3.00	15 / 1.25	100 / 4.35	14 / 0.37	10 / 0.56	0 / 0.00	244 / 4.00	65 / 1.35	134 / 3.78	44 / 0.71	--	1.0 / 0.05	0.50	--	668	49	215	15	Grab
		7-25-58	850	7.2	44 / 2.20	16 / 1.32	99 / 4.31	14 / 0.37	5.0 / 0.28	0 / 0.00	222 / 3.64	61 / 1.28	86 / 2.43	45 / 0.72	--	1.2 / 0.06	0.36	30	550	51	175	0	
		1-10-59	999	7.2	52 / 2.59	18 / 1.50	105 / 4.57	16 / 0.40	17 / 0.92	0 / 0.00	261 / 4.28	85 / 1.77	99 / 2.79	49 / 0.79	--	1.0 / 0.05	0.36	--	633	46	205	0	
		6- 2-59	953	7.3	50 / 2.50	11 / 0.90	110 / 4.78	13 / 0.34	14 / 0.77	0 / 0.00	234 / 3.84	68 / 1.42	103 / 2.90	50 / 0.80	--	0.5 / 0.03	0.54	--	591	52	168	0	
		1- 5-60	1,124	7.4	60 / 2.99	11 / 0.90	135 / 5.87	12 / 0.32	11 / 0.63	0 / 0.00	205 / 3.36	68 / 1.42	156 / 4.40	70 / 1.13	--	1.0 / 0.05	0.5	--	686	55	196	28	
		6-29-60	1,030	7.2	60 / 2.99	13 / 1.07	123 / 5.35	15 / 0.38	5.6 / 0.31	0 / 0.00	212 / 3.48	68 / 1.41	142 / 4.00	58 / 0.94	20	1.2 / 0.06	0.56	31	645	53	205	31	
		1- 3-61	989	7.3	49 / 2.45	17 / 1.40	110 / 4.78	14 / 0.37	11 / 0.61	0 / 0.00	210 / 3.44	58 / 1.21	123 / 3.47	97 / 1.57	--	1.3 / 0.07	0.41	--	656	50	193	21	
		6- 1-61	987	7.4	53 / 2.64	15 / 1.23	116 / 5.04	13 / 0.34	5.6 / 0.31	0 / 0.00	188 / 3.08	48 / 1.00	129 / 3.64	89 / 1.44	20	1.4 / 0.07	0.39	--	623	53	195	41	
		1-29-62	977	7.4	46 / 2.30	16 / 1.32	105 / 4.57	14 / 0.36	12 / 0.68	0 / 0.00	212 / 3.48	81 / 1.68	101 / 2.85	81 / 1.30	--	1.1 / 0.06	0.64	33	650	50	178	4	
		6-21-62	1,073	7.4	50 / 2.50	23 / 1.89	122 / 5.30	13 / 0.34	6.6 / 0.37	0 / 0.00	227 / 3.72	64 / 1.33	144 / 4.06	63 / 1.02	32	1.4 / 0.07	0.52	--	667	51	217	31	
18	City of San Bernardino Plant No. 2	11- 3-59	1,003	7.8	39 / 1.95	18 / 1.48	88 / 3.83	7.8 / 0.20	39 / 2.19	0 / 0.00	373 / 6.12	65 / 1.35	79 / 2.23	4.5 / 0.07	--	1.0 / 0.05	0.30	--	509	40	169	0	Grab
		6-26-60	1,012	7.4	58 / 2.89	11 / 0.90	100 / 4.35	16 / 0.41	40 / 2.21	0 / 0.00	403 / 6.60	70 / 1.46	75 / 2.12	1.0 / 0.02	15	1.4 / 0.07	0.42	33	535	40	190	0	
		2-28-61	1,090	7.5	30 / 1.50	21 / 1.73	113 / 4.91	16 / 0.41	39 / 2.15	0 / 0.00	381 / 6.24	75 / 1.56	82 / 2.31	3.0 / 0.05	19	1.2 / 0.06	0.66	--	584	40	162	0	
		6- 1-61	941	7.4	42 / 2.10	16 / 1.32	104 / 4.52	16 / 0.41	21 / 1.16	0 / 0.00	281 / 4.60	82 / 1.71	76 / 2.14	56 / 0.90	40	1.2 / 0.06	0.55	--	554	47	172	0	

TABLE C-8 (continued)

MINERAL ANALYSES OF WASTE WATER

SANTA ANA REGION (NO. 8)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
18	City of San Bernardino Plant No. 2 (continued)	1-29-62	1,059	7.6	30 / 1.80	20 / 1.64	97 / 4.22	17 / 0.44	47 / 2.60	0 / 0.00	417 / 6.84	71 / 1.47	72 / 2.03	2.5 / 0.04	--	0.90 / 0.05	0.64	33	570	39	172	0	
		6-21-62	735	7.3	37 / 1.85	13 / 1.07	84 / 3.65	13 / 0.33	5.2 / 0.29	0 / 0.00	173 / 2.84	67 / 1.39	63 / 1.78	62 / 0.99	31	1.1 / 0.06	0.49	--	459	51	143	1	
19	City of Seal Beach	6- 2-59	1,380	7.5	30 / 1.49	11 / 0.90	202 / 8.79	14 / 0.36	8 / 0.42	0 / 0.00	156 / 2.56	63 / 1.33	241 / 6.79	63 / 1.02	0.17 / 0.01	0.50 / 0.03	1.5	29	878	73	120	0	Grab
		6-28-60	1,332	7.5	37 / 1.85	10 / 0.82	226 / 9.83	15 / 0.38	5.2 / 0.29	0 / 0.00	163 / 2.68	58 / 1.20	258 / 7.28	74 / 1.19	30	2.4 / 0.13	0.72	24	821	75	324	190	
		6-21-62	1,453	7.0	34 / 1.70	13 / 1.10	244 / 10.60	13 / 0.34	13 / 0.71	0 / 0.00	183 / 2.96	62 / 1.28	292 / 8.22	50 / 0.80	48	2.45 / 0.13	0.76	14	985	73	140	0	Grab
20	Talbert Water District	3-26-57	1,940	7.7	71 / 3.55	27 / 2.20	274 / 11.9	22 / 0.55	--	0 / 0.00	485 / 7.95	212 / 4.42	206 / 5.8	1.3 / 0.02	--	2.2 / 0.12	0.30	--	1,026	65	288	0	Grab
		4-21-59	2,128	7.3	86 / 4.29	24 / 1.97	300 / 13.05	19 / 0.49	33	0 / 0.00	483 / 7.92	177 / 3.68	350 / 9.87	2.5 / 0.04	--	1.4 / 0.07	1.4	30	1,283	60	310	0	Grab
		6-21-62	1,471	7.8	129 / 6.44	4 / 0.34	161 / 7.00	16 / 0.40	36 / 1.99	0 / 0.00	616 / 10.10	69 / 1.45	154 / 4.34	0 / 0.00	14	1.7 / 0.09	0.55	23	1,115	43	339	0	Grab

TABLE C-9

MINERAL ANALYSES OF WASTE WATER

SAN DIEGO REGION (NO. 9)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: N.C. (ppm)	Remarks
1	City of Laguna Beach	8-8-56	1,690	7.2	51/2.54	32/2.59	310/13.45	17/0.44	--	0/0.00	217/3.56	406/8.45	204/5.75	62/1.01	21/1.23	0.6/0.03	0.14	15	1,200	72	257	79	
		7-7-58	1,850	7.1	58/2.90	30/2.49	239/10.40	17/0.43	27/1.52	0/0.00	276/4.54	334/6.95	201/5.66	1.5/0.02	20/0.63	1.1/0.06	0.40	15	1,060	59	269	42	
		6-28-60	1,730	7.4	41/2.04	38/3.14	223/9.70	16/0.42	39/2.16	0/0.00	359/5.89	296/6.17	168/4.73	0/0.00	25/0.79	0.67/0.04	0.36	11	1,195	56	259	0	Grab
		6-19-62	1,767	7.0	49/2.44	35/2.90	258/11.20	16/0.40	41/2.28	0/0.00	372/6.10	315/6.57	185/5.21	0/0.00	53	0.62/0.03	0.51	--	1,280	58	267	0	Grab
2	City of San Clemente	8-6-56	1,650	8.0	47/2.33	46/3.77	228/9.92	18/0.46	--	0/0.00	342/5.62	145/3.01	296/8.34	0.04	4/0.12	0.56/0.03	0.4	32	1,016	62	305	19	
		7-16-58	1,481	7.0	21/1.05	46/3.78	205/8.92	16/0.42	--	0/0.00	117/1.92	165/3.43	252/7.11	99/1.59	--	1.4/0.07	0.62	40	960	61	253	157	
		6-28-60	1,325	7.5	30/1.51	40/3.29	156/6.80	17/0.44	18/0.99	0/0.00	195/3.20	152/3.17	175/4.93	54/0.87	25/0.78	1.41/0.07	0.88	21	880	52	240	80	
		1-30-61	1,205	6.7	31/1.55	37/3.05	156/6.80	14/0.37	--	0/0.00	183/3.00	152/3.16	152/4.30	64/1.04	--	3.0/0.16	0.58	45	750	58	230	80	Grab
		5-22-62	1,654	6.9	42/2.10	47/3.87	230/10.00	14/0.36	5.6/0.31	0/0.00	129/2.12	189/3.94	271/7.63	69/1.11	74	0.88/0.05	0.89	33	1,115	60	299	193	Grab
3	Camp Joseph H. Pendleton Plant No. 1	12-19-56	1,255	7.9	64/3.20	31/2.54	176/7.65	15/0.39	--	0/0.00	284/4.65	132/2.75	225/6.34	8/0.13	--	0.1	0.34	28	964	55	287	54	Grab
		1-16-58	1,240	8.9	58/2.92	28/2.28	155/6.73	--	--	26/0.88	208/3.41	87/1.81	207/5.83	--	--	0.6	0.4	21	860	--	258	43	Grab
		7-18-58	1,206	8.6	45/2.25	34/2.79	172/7.48	12/0.30	--	17/0.56	244/4.00	120/2.51	196/5.53	0/0.00	--	0.8/0.04	0.44	30	760	58	251	23	Grab
		9-18-58	1,250	8.1	62/3.12	30/2.60	161/7.01	--	--	7.2/0.24	264/4.33	121/2.52	196/5.52	--	25	0.6	0.72	32	876	56	280	61	Grab
		8-59	1,150	9.6	53/2.64	20/1.60	138/6.02	--	--	60/2.00	63/1.04	92/1.92	188/5.30	--	3.3	--	0.1	14	770	59	212	60	Grab
		2-25-60	1,190	7.7	53/2.64	25/2.00	140/6.11	--	--	0/0.00	225/3.68	106/2.22	172/4.85	14	18	0.5	0.6	19	835	60	242	58	Grab
		6-28-60	1,280	7.8	54/2.69	31/2.58	159/6.90	11/0.28	4.7/0.26	0/0.00	230/3.77	124/2.58	179/5.04	43/0.69	14/0.44	1.6/0.08	0.86	18	865	54	264	75	
4	Camp Joseph H. Pendleton Plant No. 2	12-19-56	1,045	8.2	54/2.70	28/2.30	149/6.48	11/0.27	--	27/0.90	189/3.10	120/2.50	173/4.87	26/0.42	--	0.1	0.18	26	884	56	250	50	Grab
		1-23-58	1,240	8.0	59/2.96	25/2.04	142/6.19	--	--	--	232/3.81	93/1.94	193/5.44	14	12	0.8	0.6	32	830	55	250	--	Grab
		9-18-58	1,126	7.8	58/2.88	25/2.04	150/6.53	--	--	--	227/3.72	117/2.44	188/5.29	--	9.2	0.60	0.25	25	780	58	250	--	Grab
		2-25-60	1,210	7.6	62/3.10	26/2.12	137/5.95	--	--	0/0.00	252/4.13	108/2.24	170/4.8	24	11	0.5	0.4	30	845	53	260	54	Grab
		6-22-60	1,325	7.7	70/3.48	28/2.28	155/6.75	6/0.16	9/0.53	0/0.00	237/3.88	120/2.50	214/6.01	12/0.19	0.48/0.02	0.94/0.05	0.58	16	890	51	288	94	

TABLE C-9 (continued)

MINERAL ANALYSES OF WASTE WATER

SAN DIEGO REGION (NO. 9)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in parts per million / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	N.C. (ppm)	Remarks
5	Camp Joseph H. Pendleton Plant No. 3	12-19-56	1,305	7.9	50/2.50	28/2.30	195/8.48	13/0.34	--	0/0.00	305/5.00	128/2.67	228/6.42	6.5/0.10	--	0.5/0.03	0.32	27	900	62	240	0	Grab
		7-18-58	1,276	8.8	38/1.90	27/2.22	198/8.61	12/0.31	--	24/0.80	276/4.55	112/2.33	198/5.58	0/0.00	--	1.8/0.10	0.40	40	820	64	207	0	Grab
		1-23-58	1,480	7.6	50/2.48	26/2.14	209/9.09	--	--	--	334/5.47	75/1.56	237/6.68	2.7	14	--	2.4	39	1,100	66	231	--	Grab
		8-59	1,435	9.2	47/2.36	22/1.83	259/11.23	--	--	41/1.28	156/5.56	84/1.75	242/6.83	--	6.7	--	0.4	36	1,005	74	210	0	Grab
		2-25-60	1,490	8.1	45/2.24	35/2.9	203/9.25	--	--	--	370/6.00	146/3.04	190/5.35	18	21	4	0.50	31	1,040	--	252	--	Grab
		6-27-60	1,624	7.8	53/2.65	21/1.71	232/10.10	10/0.26	2/0.09	0/0.00	255/4.19	123/2.56	282/7.94	15/0.25	18/0.57	1.2/0.06	0.70	11	1,065	68	218	9	
6	City of Oceanside	8-6-5[illegible]	2,350	7.7	112/5.61	59/4.85	310/13.45	18/0.46	30/1.64	0/0.00	378/6.20	360/7.50	410/11.55	0/0.00	--	0.23/0.01	0.3	21	1,332	52	523	213	
		7-17-58	2,538	7.0	112/5.59	57/4.69	300/13.05	17/0.42	40/2.22	0/0.00	417/6.84	283/5.90	457/12.89	0/0.00	--	2.8/0.15	0.64	30	--	50	514	172	
		3-14-59	1,670	8.0	145/7.25	16/1.30	310/13.47	--	--	0/0.00	365/5.99	300/6.24	340/9.60	0.40	60	0.7	2.2	--	--	--	428	128	Grab (Whelan Lake)
		9-16-59	2,350	7.8	160/8.00	27/2.20	240/10.43	--	--	0/0.00	390/6.40	275/5.72	410/11.55	--	37	0.9	0.93	--	--	--	510	190	Grab (Whelan Lake)
		3-8-60	2,000	7.2	120/5.98	38/3.12	125/5.43	--	--	0/0.00	342/5.60	375/7.81	407/11.48	0.15	33	0.95/0.05	0.98	--	--	37	455	175	Grab (Whelan Lake)
		2-15-61	3,010	7.6	104/5.19	54/4.44	470/20.43	--	--	0/0.00	366/6.00	460/9.58	510/14.38	0.15	40	0.7/0.04	0.65	16	1,744	68	482	182	Grab (Whelan Lake)
		9-28-61	2,809	7.7	116/5.79	67/5.51	355/15.44	22/0.56	31/1.73	0/0.00	464/7.60	325/6.77	514/14.49	5.0/0.08	28	0.62/0.03	0.88	29	1,640	53	564	184	Grab (Whelan Lake)
		6-20-62	2,613	7.2	143/7.14	56/4.64	294/12.80	16/0.41	47/2.60	0/0.00	494/8.10	287/5.99	447/12.61	0/0.00	38	1.9/0.10	0.46	--	1,825	46	589	184	Grab (Whelan Lake)
7	City of Carlsbad	10-22-57	3,355	7.3	128/6.40	56/4.60	552/24.00	23/0.58	--	0/0.00	211/3.46	341/7.09	874/24.65	11/0.18	26	1.7/0.09	0.30	16	2,515	67	550	377	Grab
		6-19-59	5,423	7.6	171/8.54	131/10.78	812/35.31	30/0.77	19/1.07	0/0.00	361/5.92	324/6.74	1,[illegible]/43.00	16/0.27	0.67/0.02	0.17/0.01	0.69	22	3,593	63	966	67	Grab
		6-20-60	3,938	7.8	123/6.16	104/8.56	541/23.50	25/0.64	9/0.50	13/0.44	305/5.00	317/6.60	930/26.19	18/0.29	26/0.81	0.74/0.04	0.52	37	2,570	60	736	464	Grab
		5-10-62	2,965	7.4	114/5.70	83/6.82	492/21.40	19/0.48	3.2/0.18	0/0.00	261/4.28	279/5.80	789/22.20	10/0.16	34	1.7/0.09	0.52	16	2,080	62	626	412	Grab
8	Vista Sanitation District	7-18-58	1,560	7.4	69/3.44	49/4.03	162/7.05	9.4/0.24	--	0/0.00	368/6.04	90/1.88	278/7.78	0/0.00	--	1.0	0.28	40	970	44	374	72	
		3-9-60	1,861	7.3	73/3.66	80/6.64	186/8.07	11/0.28	--	0/0.00	349/5.72	157/3.27	352/9.91	14/0.24	--	0.48/0.03	0.37	39	1,255	43	515	229	Grab

TABLE C-9 (continued)

MINERAL ANALYSES OF WASTE WATER

SAN DIEGO REGION (NO. 9)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$ Total (ppm)	Hardness as $CaCO_3$ N.C. (ppm)	Remarks
					Mineral constituents in parts per million / equivalents per million																		
8	Vista Sanitation District (continued)	6-27-60	1,604	9.0	79 / 3.93	41 / 3.35	187 / 8.15	12 / 0.30	18 / 0.99	20 / 0.68	285 / 4.66	167 / 3.49	261 / 7.35	1 / 0.01	13 / 0.42	0.30 / 0.02	0.56	20	1,095	49	364	131	Grab
		5-2-62	1,847	7.2	96 / 4.80	50 / 4.08	216 / 9.40	13 / 0.34	34 / 1.87	0 / 0.00	426 / 6.98	213 / 4.45	286 / 8.05	0 / 0.00	11	1.07 / 0.06	0.10	26	1,320	46	444	95	Grab
9	City of Escondido Plant No. 1	7-16-58	1,727	7.2	50 / 2.50	34 / 2.79	230 / 10.0	19 / 0.49	--	0 / 0.00	282 / 4.63	197 / 4.11	272 / 7.67	18 / 0.29	--	0.80 / 0.04	0.52	25	1,020	59	264	32	
		10-15-58	--	--	60	20	180	20	--	--	--	233	240	--	66	--	2.2	--	--	--	--	--	Grab
		10-15-59	--	--	67	29	190	18	--	--	--	344	246	--	44	--	0.97	--	--	--	--	--	Grab
		6-28-60	1,846	7.6	62 / 3.12	35 / 2.94	239 / 10.40	16 / 0.40	28 / 1.55	0 / 0.00	287 / 4.70	251 / 5.23	268 / 7.55	13 / 0.22	32 / 1.02	1.7 / 0.09	0.72	7	1,245	56	303	68	
		1-12-61	1,860	7.2	65 / 3.24	46 / 3.83	260 / 11.30	18 / 0.47	12	0 / 0.00	262 / 4.30	327 / 6.80	282 / 7.95	12 / 0.20	--	0.60 / 0.03	0.59	30	1,220	60	354	139	Grab
		4-26-62	2,185	7.9	81 / 4.04	49 / 40.4	294 / 12.80	16 / 0.42	--	0 / 0.00	232 / 3.80	308 / 6.43	388 / 10.93	16 / 0.26	--	1.9 / 0.10	0.58	20	1,455	60	404	214	Grab
10	City of Escondido Plant No. 2	6-28-60	1,831	7.3	77 / 3.86	41 / 3.44	199 / 8.65	14 / 0.35	32 / 1.77	0 / 0.00	279 / 4.58	234 / 4.86	288 / 8.11	8 / 0.13	11 / 0.35	1.0 / 0.05	0.42	9	1,225	48	365	136	
		1-12-61	2,100	6.4	75 / 3.76	45 / 3.74	295 / 12.85	20 / 0.51	0.88 / 0.05	0 / 0.00	122 / 2.00	338 / 7.04	417 / 11.75	7.3 / 0.12	--	0.80 / 0.04	0.71	25	1,402	62	375	275	Grab
		4-26-62	1,986	7.9	73 / 3.66	54 / 4.44	262 / 11.40	16 / 0.40	--	0 / 0.00	124 / 2.03	333 / 6.95	351 / 9.88	1 / 0.01	--	2.1 / 0.11	0.86	11	1,305	57	405	303	Grab
11	Santee County Water District	6-17-59	1,902	8.0	76 / 3.80	36 / 2.97	252 / 10.95	18 / 0.45	19 / 1.07	0 / 0.00	312 / 5.12	265 / 5.52	294 / 8.28	0 / 0.00	1.68 / 0.05	0.85	0.74	26	1,303	57	339	43	Grab
		6-21-60	1,718	7.8	67 / 3.33	35 / 2.85	209 / 9.10	12 / 0.30	0 / 0.00	0 / 0.00	190 / 3.11	90 / 1.89	359 / 10.11	0 / 0.00	3 / 0.10	1.39 / 0.07	0.82	23	1,080	58	309	154	Grab
		10-23-61	1,650	7.4	85 / 4.24	33 / 2.71	212 / 9.22	22 / 0.56	28 / 1.53	0 / 0.00	329 / 5.40	301 / 6.27	214 / 6.03	2.5 / 0.04	53	0.40 / 0.02	0.84	21	1,100	51	346	76	Grab
		2-8-62	1,707	7.3	88 / 4.39	31 / 2.55	190 / 8.27	17 / 0.44	38 / 2.10	0 / 0.00	364 / 5.96	286 / 5.96	193 / 5.44	2.5 / 0.04	16	0.44 / 0.02	0.68	18	1,030	47	348	50	Grab
12	City of El Cajon	2-20-56	2,080	6.7	97 / 4.87	42 / 3.42	262 / 11.40	39 / 1.00	0 / 0.00	0 / 0.00	137 / 2.24	335 / 6.99	321 / 9.05	113 / 1.83	--	1.4 / 0.07	0.40	--	1,358	55	41[illegible]	303	Grab
		7-17-58	1,934	7.3	69 / 3.44	37 / 3.04	240 / 10.44	9.4 / 0.24	--	0 / 0.00	325 / 5.33	195 / 4.06	330 / 9.31	22 / 0.36	--	1.2 / 0.11	0.56	20	1,0[illegible]0	54	324	58	
		9-23-58	--	--	80	25	230	--	--	--	--	160	250	--	56	--	--	--	960	--	--	--	
		5-27-59	1,880	7.2	93	20	290	--	--	0	362	309	228	--	52	--	1.0	27	1,400	66	312	--	
		9-18-59	--	--	44	40	190	15	--	--	--	240	228	--	44	--	1.0	--	984	--	--	--	
		6-22-60	2,234	7.8	68 / 3.41	51 / 4.16	285 / 12.40	13 / 0.34	28 / 1.55	0 / 0.00	346 / 5.66	295 / 6.15	359 / 10.10	0 / 0.00	32 / 1.00	1.4 / 0.07	0.84	17	1,505	57	379	96	Grab

TABLE C-9 (continued)

MINERAL ANALYSES OF WASTE WATER

SAN DIEGO REGION (NO. 9)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$ Total (ppm)	Hardness as $CaCO_3$ NC (ppm)	Remarks
					Mineral constituents in parts per million / equivalents per million																		
12	City of El Cajon (continued)	1-30-61	1,883	7.6	89 / 4.44	25 / 2.06	264 / 11.48	17 / 0.44	42 / 2.36	0 / 0.00	361 / 5.92	339 / 7.07	268 / 7.56	4.0 / 0.06	--	1.2 / 0.06	0.92	20	1,175	55	324	26	Grab
		5-9-62	2,374	7.2	82 / 4.12	54 / 4.40	304 / 13.20	19 / 0.48	77 / 4.27	0 / 0.00	433 / 7.10	308 / 6.42	381 / 10.73	0 / 0.00	56 / 1.77	1.77 / 0.09	0.97	16	1,690	50	355	71	Grab
13	City of Coronado "B" Street	8-3-56	2,340	7.2	71 / 3.55	61 / 5.02	352 / 15.3	19 / 0.49	--	0 / 0.00	271 / 4.44	224 / 4.67	563 / 15.86	0 / 0.00	0.3 / 0.01	0.40 / 0.07	0.30	16	1,568	64	426	204	
		7-17-58	3,125	6.9	79 / 3.94	59 / 4.85	450 / 19.58	19 / 0.49	--	0 / 0.00	237 / 3.88	241 / 5.02	727 / 20.50	8.1 / 0.13	--	2.0 / 0.11	0.64	30	1,930	66	441	247	Grab
		6-20-60	1,209	8.6	66 / 3.28	27 / 2.22	93 / 4.05	5 / 0.12	23 / 1.27	3 / 0.09	86 / 1.42	323 / 6.73	94 / 2.63	2 / 0.03	3 / 0.03	0.42 / 0.02	0	9	785	37	275	200	Grab
14	City of Coronado "K" Street	8-3-56	2,120	7.2	44 / 2.22	52 / 4.28	331 / 14.40	19 / 0.49	--	0 / 0.00	298 / 4.88	159 / 3.31	497 / 14.00	0 / 0.00	0.43 / 0.01	0 / 0.00	0.7	16	1,536	69	325	81	
		7-17-58	2,283	6.8	53 / 2.64	38 / 3.12	320 / 13.92	9.6 / 0.25	--	0 / 0.00	301 / 4.94	159 / 3.32	490 / 13.82	0 / 0.00	--	1.2 / 0.06	0.44	25	1,340	65	289	42	
		6-20-60	2,150	7.3	70 / 3.48	47 / 3.94	276 / 12.00	14 / 0.36	0 / 0.00	0 / 0.00	75 / 1.24	326 / 6.78	395 / 11.12	26 / 0.41	1 / 0.04	0.16 / 0.01	0.18	32	1,365	61	371	309	Grab
15	City of San Diego Treatment Plant	6-14-62	2,792	7.1	84 / 4.18	50 / 4.12	396 / 17.20	23 / 0.60	65 / 3.62	0 / 0.00	458 / 7.50	289 / 6.02	534 / 15.04	0 / 0.00	48	1 / 0.06	1.30	20	1,950	56	375	40	Grab
	City of San Diego Balboa Trunk	8-2-56	1,680	7.2	71 / 3.55	43 / 3.51	216 / 9.39	18 / 0.46	14 / 0.77	0 / 0.00	207 / 3.40	378 / 7.88	182 / 5.13	0 / 0.00	0.32 / 0.01	0.4 / 0.02	0.1	12	1,160	57	353	183	
		7-9-58	1,531	6.8	73 / 3.64	22 / 1.78	173 / 7.50	19 / 0.49	61 / 3.41	0 / 0.00	327 / 5.35	285 / 5.93	133 / 3.75	0 / 0.00	47 / 1.48	0.18 / 0.01	0.74	23	978	45	271	3	
		6-22-60	1,467	7.0	46 / 2.3	40 / 3.28	150 / 6.55	14 / 0.37	23 / 1.27	0 / 0.00	243 / 3.99	329 / 6.85	121 / 3.41	0 / 0.00	37 / 1.10	1.2 / 0.06	0.52	12	995	48	279	79	Grab
		1-31-61	1,398	7.7	64 / 3.19	31 / 2.55	200 / 8.70	16 / 0.41	27 / 1.52	0 / 0.00	317 / 5.2[illegible]	329 / 6.85	126 / 3.61	2.5 / 0.04	--	1.8 / 0.09	1.6	22	965	53	286	26	Grab
	City of San Diego Cabrillo Trunk	7-9-1[illegible]-58	1,619	6.9	70 / 3.52	27 / 2.20	191 / 8.30	18 / 0.46	50 / 2.78	0 / 0.00	286 / 4.68	286 / 5.95	187 / 5.27	0 / 0.00	32 / 1.01	0.8 / 0.04	0.60	24	1,013	48	286	54	7 day composite
	City of San Diego East San Diego Trunk	8-2-56	1,890	6.8	66 / 3.28	51 / 4.23	259 / 11.28	18 / 0.46	--	0 / 0.00	263 / 4.30	382 / 7.95	256 / 7.21	0 / 0.00	0.32 / 0.01	0.4 / 0.02	0.3	16	1,180	60	376	161	
		7-9-16-58	1,581	6.9	58 / 2.92	28 / 2.30	182 / 7.90	20 / 0.51	43 / 2.40	0 / 0.00	337 / 5.52	257 / 5.35	165 / 4.65	0 / 0.00	23 / 0.37	0.28 / 0.02	0.74	33	922	49	261	0	7 day composite
		6-22-60	1,535	7.1	48 / 2.41	39 / 3.10	170 / 7.40	16 / 0.42	22 / 1.22	0 / 0.00	270 / 4.43	307 / 6.39	154 / 4.34	0 / 0.00	37 / 1.10	1.2 / 0.06	1.0	0	1,050	51	279	57	Grab
		1-31-61	1,400	7.4	71 / 3.54	24 / 1.97	185 / 8.05	17 / 0.44	28 / 1.58	0 / 0.00	303 / 4.96	321 / 6.68	130 / 3.67	2.5 / 0.04	--	0.76 / 0.04	1.4	17	970	52	275	27	Grab
	City of San Diego Encanto Trunk	7-9-16-58	2,240	6.6	86 / 4.28	40 / 3.32	281 / 12.20	23 / 0.58	39 / 2.14	0 / 0.00	373 / 6.12	252 / 5.25	369 / 10.40	0 / 0.00	11 / 0.35	0.18 / 0.01	0.80	30	1,392	54	366	75	7 day composite
	City of San Diego La Jolla Trunk	7-9-17-58	2,560	6.8	74 / 3.70	46 / 3.84	363 / 15.80	23 / 0.58	42 / 2.33	0 / 0.00	346 / 5.66	279 / 5.81	466 / 13.13	0 / 0.00	33 / 1.04	0.25 / 0.02	0.61	24	1,630	60	377	94	7 day composite
		3-2-62	2,508	7.3	38 / 1.90	64 / 5.28	354 / 15.40	21 / 0.54	61 / 3.39	0 / 0.00	349 / 5.72	358 / 7.46	392 / 11.04	0 / 0.00	60	0.61 / 0.03	0.13	--	1,725	58	359	73	Grab

TABLE C-9 (continued)

MINERAL ANALYSES OF WASTE WATER

SAN DIEGO REGION (NO. 9)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$ Total (ppm)	Hardness as $CaCO_3$ NC (ppm)	Remarks
					Mineral constituents in parts per million / equivalents per million																		
15	City of San Diego (continued) Linda Vista Trunk	7-9-16-58	1,631	6.9	66 / 3.30	21 / 1.70	189 / 8.20	20 / 0.51	46 / 2.57	0 / 0.00	378 / 6.20	245 / 5.10	168 / 4.73	0 / 0.00	20 / 0.63	0 / 0.00	0.52	30	1,036	50	250	61	7 day composite
		1-31-61	1,626	7.4	57 / 2.84	35 / 2.88	200 / 8.70	18 / 0.46	49 / 2.70	0 / 0.00	390 / 6.40	337 / 7.03	160 / 4.51	2.5 / 0.04	--	0.4 / 0.02	1.24	20	1,060	49	284	0	Grab
	City of San Diego Mission Valley Trunk:	8-2-56	1,860	7.3	70 / 3.49	49 / 4.06	270 / 11.75	18 / 0.49	42 / 2.35	0 / 0.00	576 / 9.44	175 / 3.65	254 / 7.15	0 / 0.00	32 / 0.99	0.2 / 0.01	0.3	16	1,520	61	378	0	
		7-9-16-58	1,706	6.7	66 / 3.32	30 / 2.46	212 / 9.20	19 / 0.49	46 / 2.57	0 / 0.00	342 / 5.60	222 / 4.62	213 / 6.00	0 / 0.00	50 / 1.58	0.30 / 0.02	1.0	26	1,073	51	290	10	7 day composite
		6-22-60	1,599	7.1	44 / 2.18	45 / 3.69	196 / 8.50	15 / 0.38	22 / 1.22	0 / 0.00	295 / 4.84	295 / 6.14	170 / 4.77	0 / 0.00	38 / 1.21	1.1 / 0.06	0.70	0	1,100	53	292	0	Grab
		1-31-61	1,818	8.3	71 / 3.54	34 / 2.79	230 / 10.00	24 / 0.61	42 / 2.34	7.2 / 0.24	471 / 7.72	323 / 4.73	236 / 6.66	2.5 / 0.04	--	1.0 / 0.05	0.48	17	1,050	47	315	0	Grab
	City of San Diego Murray Canyon Trunk:	7-9-16-58	1,563	6.8	65 / 3.20	26 / 2.14	175 / 7.60	22 / 0.56	49 / 2.71	0 / 0.00	328 / 5.36	370 / 5.02	150 / 4.22	0 / 0.00	22 / 0.69	0.20 / 0.01	0.61	32	948	47	270	2	7 day composite
	City of San Diego National City Trunk	7-15-58	1,571	7.4	44 / 2.22	24 / 2.00	198 / 8.60	18 / 0.46	62 / 3.42	0 / 0.00	395 / 6.48	136 / 4.33	194 / 5.46	0 / 0.00	46 / 1.45	0.64 / 0.03	1.60	32	1,040	52	211	0	
	City of San Diego Rose Canyon Trunk	7-9-16-58	1,629	7.0	70 / 3.50	38 / 3.12	159 / 6.90	20 / 0.50	23 / 2.94	0 / 0.00	355 / 5.82	271 / 5.64	165 / 4.65	0 / 0.00	10 / 0.31	0 / 0.00	1.1	24	995	42	331	40	7 day composite
		3-2-62	1,235	7.0	60 / 3.01	30 / 2.54	140 / 6.10	9 / 0.23	19 / 1.05	0 / 0.00	192 / 3.15	267 / 5.60	124 / 3.49	1.0 / 0.01	15	0.18 / 0.01	0.04	20	860	47	273	120	Grab
16	Spring Valley Sanitation District	7-15-58	5,356	8.1	273 / 13.62	110 / 9.04	805 / 35.02	6.0 / 0.15	0.36 / 0.02	0 / 0.00	444 / 7.28	467 / 9.72	1,420 / 40.04	87 / 1.41	--	1.5 / 0.08	--	--	3,710	61	1,140	776	
		6-21-60	2,959	7.9	108 / 5.38	70 / 5.70	363 / 15.80	15 / 0.38	18 / 1.00	18 / 0.60	306 / 5.02	358 / 7.47	529 / 14.90	15 / 0.25	30 / 0.96	1.31 / 0.07	0.78	39	1,938	56	554	303	Grab
		6-13-62	2,697	7.2	104 / 5.24	59 / 4.82	386 / 16.80	15 / 0.38	--	0 / 0.00	367 / 6.02	420 / 8.75	459 / 12.93	0 / 0.00	--	1.92 / 0.10	1.34	23	1,[illegible]50	62	505	204	Grab
17	City of Chula Vista "G" Street	8-1-56	1,690	7.8	80 / 4.02	54 / 4.43	227 / 9.85	30 / 0.77	24 / 1.30	0 / 0.00	349 / 5.71	406 / 8.45	196 / 5.52	0 / 0.00	19 / 0.59	0.4 / 0.02	2.9	12	1,172	54	423	137	
		7-22-58	1,446	7.2	66 / 3.32	27 / 2.20	156 / 6.80	16 / 0.41	8 / 1.06	0 / 0.00	293 / 4.80	188 / 3.91	174 / 4.90	0 / 0.00	16 / 0.51	0.02	1.3	24	966	47	276	36	
		6-20-60	1,791	7.5	75 / 3.77	39 / 3.21	109 / 4.80	14 / 0.36	25 / 1.39	0 / 0.00	295 / 4.84	309 / 6.45	197 / 5.55	0 / 0.00	37 / 1.17	3.0 / 0.1	1.0	36	1,200	46	343	107	
18	City of Chula Vista "J" Street	7-22-58	1,975	6.8	75 / 3.76	35 / 2.94	235 / 10.20	19 / 0.49	49 / 2.72	0 / 0.00	375 / 6.15	205 / 4.27	314 / 8.85	0 / 0.00	36 / 1.14	0.20 / 0.01	0.90	29	1,254	51	435	0	
		6-20-60	2,213	7.6	60 / 3.02	51 / 4.24	254 / 11.05	19 / 0.48	33 / 1.83	0 / 0.00	364 / 5.96	276 / 5.70	302 / 8.50	0 / 0.00	57 / 1.80	3.5 / 0.19	1.0	--	1,455	54	363	65	
		5-9-62	2,155	7.3	77 / 3.84	37 / 3.06	271 / 11.80	17 / 0.44	93 / 5.14	0 / 0.00	783 / 12.82	105 / 2.24	283 / 7.97	0 / 0.00	90 / --	0.75 / 0.04	1.08	--	1,610	49	345	0	Grab
19	Palm City Sanitation District	6-17-59	10,583	8.4	133 / 6.64	250 / 20.56	1,787 / 77.70	74 / 1.89	20 / 1.11	34 / 1.12	307 / 5.04	434 / 9.04	3,413 / 96.30	0 / 0.00	0.16 / 0.01	0.40	1.29	36	7,271	72	1,300	1,056	Grab
		6-21-60	8,464	8.5	127 / 6.36	199 / 16.44	1,320 / 57.50	49 / 1.30	19 / 1.05	30 / 1.00	366 / 6.00	313 / 6.52	2,450 / 68.99	0 / 0.00	22 / 0.70	0.67 / 0.04	1.16	49	5,400	70	1,140	790	Grab

TABLE C-9 (continued)

MINERAL ANALYSES OF WASTE WATER

SAN DIEGO REGION (NO. 9)

Number	Source	Date Sampled	Specific conductance (micromhos at 25°C)	pH	Mineral constituents in ppm / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Fluoride (F)	Boron (B)	Silica (SiO_2)	Total dissolved solids (ppm)	Per cent sodium	Hardness as $CaCO_3$: Total (ppm)	Hardness as $CaCO_3$: NC (ppm)	Remarks
2[illegible]	Mt. of Imperial Beach	2-7-57	13,000	7.6	1.4 / 9.20	203 / 83.20	2,254 / 98	04 / 2.15	--	0 / 0.00	438 / 7.15	638 / 13.29	4,050 / 114	0 / 0.00	7.4	0 / 0.[illegible]	[illegible].50	25	,560	--	1,62[illegible]	1,2[illegible]	Grab
		6-10-[illegible]	15,213	7.6	196 / 9.80	361 / 29.72	2,642 / 114.9	107 / 2.73	--	0 / 0.00	395 / 6.48	746 / 15.[illegible]	5,063 / 142.[illegible]	0 / 0.00	--	1.[illegible]	1.4	46	[illegible],702	73	1,976	1,65[illegible]	Grab
		6-20-60	15,643	[illegible].0	261 / 13.00	322 / 26.50	2,630 / 114.50	11 / 2.00	21 / 1.16	39 / 1.30	274 / 4.50	362 / 7.55	5,195 / 146.3	0 / 0.00	35 / 1.16	0.77 / 0.04	1.72	52	[illegible],055	73	2,052	1,73[illegible]	Grab
21	International Boundary & Water Commission	[illegible]-[illegible]-5[illegible]	2,360	7.6	104 / 5.20	57 / 4.70	342 / 14.88	7.0 / 0.18	--	0 / 0.00	488 / 8.00	161 / 3.30	510 / 14.35	4.6 / 0.06	0 / 0.00	0.2 / 0.01	0.2	16	1,500	[illegible]	499	95	
		7-10-5[illegible]	2,193	6.3	89 / 4.44	45 / 3.70	264 / 11.48	15 / 0.37	--	0 / 0.00	403 / 6.61	180 / 3.75	390 / 11.22	0 / 0.00	--	0.6 / 0.04	1.36	30	1,340	[illegible]2	400	78	
		6-22-60	3,207	7.1	126 / 6.32	73 / 6.00	396 / 17.20	26 / 0.66	36 / 1.99	0 / 0.00	544 / 8.92	231 / 4.81	698 / 18.53	0 / 0.00	1[illegible] / 0.50	0.27 / 0.01	0.54	--	2,165	53	616	170	Grab

APPENDIX D

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

APPENDIX D

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

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TABLE D-1

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

NORTH COASTAL REGION (NO. 1)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
1	City of Arcata	5-13-59	8	0.8	152	122	52.6	---		Sampled after primary clarification.
		6-14-61	24	1.06	14	20	7.1	24,000	----	
		6-15-61	--	1.05	---	---	----	24,000	----	
2	City of Eureka Murray St. Plant	5-13-59	8	1.5	34	54	54.7	6,000		
		6-13-61	24	----	56	74	35	7,000,000	----	
								7,000,000		
3	City of Willits	5-14-59	8	0.5	22	20	9.0	6.200		
		5-3-61	--	----	6	9.1	2.3	600		
								600		
4	City of Ukiah	5-14-59	8	1.3	4	14	16.4	6,000		
		5-3-61	grab		10	4.3	3.0	600	0.7 ± 3.2	
								600		
5	Mendocino State Hospital	6-7-61	24		6	37	10	240,000	0.0 ± 4.0	
								2,400,000		
								700,000		
6	City of Santa Rosa	7-55 (a)		2.57	40	22		1.3		
		8-55 (a)		2.30	29	5.3		2.3		
		9-55 (a)		2.48	50	13		4.3		
		10-55 (a)		2.43	105	13		1.5		
		11-55 (a)		2.62	32	5.2		6.0		
		12-55 (a)		6.78	--	6.2		690		
		1-56 (a)		11.58	49	4.7		---		
		2-56 (a)		8.61	36	6.7		---		
		3-56 (a)		5.35	--	14		23		
		4-56 (a)		4.17	61	12		6.2		
		5-56 (a)		3.96	30	14		6.2		
		6-56 (a)		3.29	44	6.7		1.3		
		7-56 (a)		3.12	22	5.9		0.6		
		8-56 (a)		3.13	--	8.0		2.3		
		9-56 (a)		3.22	--	6.5		---		
		10-56 (a)		3.21	--	8.2		---		
		11-56 (a)		3.13	--	5.1		6.2		
		12-56 (a)		3.06	84	9.4		47+		
		1-57 (a)		3.57	56	7.3		24		
		2-57 (a)		4.83	307	7.9		69		
		3-57 (a)		5.07	65	5.1		24		
		4-57 (a)		4.05	49	5.3		24		
		5-57 (a)		4.65	33	7.7		47		
		6-57 (a)		3.78	19	7.8		6.2		
		8-14&15-57	24	6.0	34	54	25			
		12-22-60	grab	5.1	6	4.7	7.1		2.1 ± 3.2	

[illegible] analysis by discharging agency.

TABLE D-2

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
1	Sausalito Marin City Sanitary District	9-7-56	24	-	79	72	8.6	62,000,000 23,000,000 23,000,000		
		8-29-58	8	-	-	-	-	-		
	(b)	11-18-58	-	1.0	120	130	-	-		
		10-5-60	6	-	105	105	14.9	23,000,000		
		4-5-61	6	-	85	120	32	-		
		6-27-61	grab	-	-	-	-	-	20.6 ± 4.6	
2	City of Mill Valley	8-13-56	24	-	-	-	32	-		
		8-13-57	16	0.5	97	107	66	23,000,000 2,300,000		
		8-27-58	9	1.0	-	-	-	-		
		9-14-60	6	-	17	25	3.6	-		Regional water pollution control board analyses
		12-19-60	15	-	26	-	-	-	5.0 ± 3.3	
		1-11-61	6	-	26	-	-	-		
		4-5-61	6	-	18	61	7	-		
		6-27-61	Grab	-	-	-	-	2,300		
3	Marin County Sanitation Districts Nos. 1 and 2	8-13-56	24	-	22	34	6.6	-		
		8-14-57	8	4.9	22	34	10	-		
		8-27-58	10	4.0	-	-	-	-		
		9-14-60	6	-	32	26	8.6	-		
		12-20-60	8	-	20	39	23	-	8.9 ± 3.4	
4	San Rafael Sanitation District	9-14-56	24	-	105	101	30	62,000,000 21,000,000 62,000,000		
		8-27-58	9	2.4	-	-	-	-		
	(b)	6-8-59	4	2.0	106	160	52.8	-		
		12-21-60	12	-	74	122	40	-	6.0 ± 3.3	
		4-4-61	6	-	8.1	97	23	-		
5	Las Gallinas Valley Sanitary District	9-14-60	6	-	31	36	2.7	-	-	Regional water pollution control board analyses
		1-12-61	6	-	44	38	4.0	-	-	Regional water pollution control board analyses
		3-16-61	6	-	26	26	6	-	-	Regional water pollution control board analyses
		6-8-61	6	-	30	36	5	-	-	Regional water pollution control board analyses
		6-27-61	grab	-	-	-	-	7,000,000	0.0 ± 4.1	
6	Marin County Sanitary District #6	10-6-60	6	-	32	29	2.9	-	-	Regional water pollution control board analyses
		12-20-60	8	-	4	17	13	-		
		3-13-61	6	-	13	14	2	-		
		6-7-61	6	-	50	24	0	-		Regional water pollution control board analyses

TABLE D-2 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100mL)	Gross radioactivity (μμc/l)	Remarks
7	City of Petaluma	9-13-56	24	-	24	20	6.4	620,000 230,000 2,300,000		
		8-12&13-57	24	-	40	56	14	-		
		8-27-58	8	0.6	-	-	-	-		
		3-8&9-60	6	-	34	29	7.1	-		Regional water pollution control board analyses
		3-8&9-60	6	-	45	41	8.5	-		Regional water pollution control board analyses
		10-26-60	6	-	50	35	5	620		Regional water pollution control board analyses
		6-27-61	grab	-	-	-	-	-	18.6 ± 4.6	
8	Sonoma Valley County Sanitation District	11-23-60	6	-	124	120	14	7,000,000 7,000,000		
		12-19-60	grab	-						
		12-23-60	24	-	54	70	24	-	11.6 ± 3.5	
		3-14-61	6	-	49	60	5	-		
		6-7-61	6	-	48	34	4	-		
9	Napa County Sanitation District	9-4-58	8	4.3	-	-	-	-		
		3-11-60	6	-	-	-	-	-	7.64 ± 3.62	Regional water pollution control board analyses
		9-23-60	24	-	28	17	5.7			
		12-19-60	grab	-	-	-	-	130,000		
		12-22-60	grab	-	14	11	12	130,000	9.3 ± 3.4	
		1-13-61	6	-	14	9.0	4	-		
		5-11-61	6	-	5	18	3	-		
10	Travis Air Force Base	3-21-61	grab	-	34	22	13	24,000	8.1 ± 3.3	
11	Fairfield Suisun, Cities of	8-27-58	8	-	-	-	-	-		
		5-19-59	16	-	81	123	5.0	6,000,000 6,000,000		
		3-14&15-60	6	-	82	81	17.8	-		Regional water pollution control board analyses
		3-14&15-60	6	-	84	75	13.9	95,000	5.82 ± 3.73	
		10-27-60	6	-	70	100	21	-		
		12-19-60	grab	-	-	-	-	95,000		
		12-22-60	12	-	64	136	55		4.0 ± 3.3	
		1-6-61	6	-	80	100	25.6	-		
12	Mare Ieland Naval Shipyard	3-21&22-61	24	-	36	41	17	-	9.0 ± 3.3	
13	Vallejo Sanitation & Flood Control District	3-16-60	6	-	105	125	19.9	-	10.96 ± 3.86	Treatment plant effluent
		3-17-60	-	-	106	145	14.7	-		
		3-18-60	-	-	114	120	22.2	-		
	North Manhole	9-17-56	8	-	264	241	50	130,000,000		Raw sewage
	South Manhole	9-17-56	8	-	260	190	69	23,000,000		Raw sewage
		8-26-58	grab	-	-	-	-	-		

TABLE 9-2 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100mL)	Gross radioactivity (μμc/l)	Remarks
14	City of Benicia	6-13-61	grab	-	-	-	-	-	16.1 ± 3.5	
		6-19-61	8	-	62	164	12	+ 7,000,000		
15	Ethyl Corporation	6-13-61	-	-	-	-	-	-	0.0 ± 3.0	
16	Dow Chemical Company	9-19&20-56	24	-	94	18	3	- 230		
		8-20-57	10	8.0	70	- 10	-	-		
		8-28-58	-	-	-	-	-	-		
		6-28-61	-	-	-	-	-	-	0.8 ± 3.3	
17	U. S. Steel Corporation Outfall #1	9-20-56	24	-	122	6	2	62,000,000 2,300,000 2,300,000		
		5-20-59	8	-	21	0.4	2.4	- 6,000,000		
		6-20-61	-	-	-	-	-	-	6.6 ± 3.2	
	Outfall #2	9-20-56	24	-	98	11	3	62,000,000		
		5-20-59	8	-	30	10	12.4	2,300,000 9,500,000 20,000,000		
		6-20-61	-	-	-	-	-	-	2.4 ± 3.2	
	Outfall #3	9-20-56	24	-	77	30	2	- 230 - 230		
		5-20-59	8	-	38	6.4	4.7	- 230 - 6,000		
		6-20-61	-	-	-	-	-	-	8.7 ± 3.2	
18	Johns Manville Corporation	9-17-56	8	-	382	297	-	50,000,000		
		8-21-57	8	1.4	100	103	-	-		
		8-27-58	8	-	-	-	-	-		
		5-16-61	-	-	15	-	0.5	-		
		6-28-61	-	-	-	-	-	-	9.0 ± 3.3	
19	City of Pittsburg	9-18&19-56	24	-	67	84	12	23,000,000 240,000,000 240,000,000		
		8-20-57	16	1.9	79	128	38	-		
		8-26-58	9	1.9	-	-	-	-		
		6-11-61	-	-	-	-	-	-	9.5 ± 3.3	
20	Shell Chemical Company	5-20-59	8	-	31	24	13.3	6,000		
		6-11-61	8	-	-	-	-	-	10.9 ± 3.3	
21	City of Concord	9-17-56	9	-	80	63	1.6	62,000,000		
		9-18-56	-	-	60	23	-	6,200,000		
		8-15&16-57	24	1.9	171	29	8	-		
		8-26-58	9	3.5	-	-	-	-		

TABLE D-2 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml)	Gross radioactivity (μμc/l)	Remarks
22	Central Contra Costa District	9-18&19-56	24	-	89	140	5	240,000,000 130,000,000 23,000,000		
		8-15&16-57	24	4.9	96	183	25	-		
		8-26-58	8	3.5	-	-	-	-		
		4-27-60	6	-	128	195	17.4	-	7.77 ± 3.75	
		6-21-61	grab	-	-	-	-	+ 7,000,000		
23	City of Martinez	9-17&18-56	24	-	148	-	-	230,000,000 230,000,000 23,000,000		
		8-19-57	16	1.4	264	520	30	230,000 120,000		
		8-26-58	8	0.8	-	-	-	-		
		1-19-60	6	-	94	130	24	-		
		4-20-60	6	-	70	110	21	-		
		4-27-60	6	-	-	-	-	-	5.11 ± 2.65	
		8-19-60	6	-	173	485	16.3	-		
		12-14-60	6	-	80	124	30	-		
		6-15-61	8	-	-	-	-	-	9.0 ± 3.2	
		6-18-61	8	-	12	113	19	7,600,000		
24	C & H Sugar Refinery (Char Waste)	9-19-56	grab	-	45	530	-	-		
		8-27-58	8	0.4	-	-	-	-		
		5-21-59	24	0.7	147	102	16.7	24,000 6,000 6,000		
		6-15-61	24	-	-	-	-	-	12.3 ± 3.3	
25	American Smelting & Refining	6-27-61	grab	-	46	120	-	-	11.9 ± 4.4	
26	San Pablo Sanitary District						26			
		8-13&14-57	24	2.2	115	128	39	-		
		8-26-58	9	1.4	-	-	-	-		
		8-18-60	6	-	138	160	48.3	-		Regional Water Pollution Control Board Analyses
		2- 1-61	6	-	92	92	20	-		
		4-17-61	24	-	80	57	43	2,400,000 +7,000,000	6.2 ± 3.3	
27	City of Richmond Tenth Street	9-6&7-56	24	-	182	490	491	+ 230,000 6,200,000 6,200,000		
		8-26-58	Grab	-						
	Castro Street	9-6&7-56	24	-	280	200	69	62,000,000 50,000,000 240.000,000		
		10-28-59	grab	-	-	-	-	-	7.9 ± 3.9	
		6-21-61	grab	-	232	324	120	-7,000,000		

TABLE D-2 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
28	Stegs Sanitary District	9-10-56	8	-	91	101	36	6,200,000 23,000,000		
		9-12-56	8	-	61	89	-	-		
		8-26-58	9	2.8	-	-	-			
		12-4-58	10 min	2.7	136	160	24	-		
		8-18-59	-	-	86	115	18.8	-		
		10-28-59	6	-	-	-	-	-	7.6 ± 3.8	Analyses by regional water pollution control board
		11-4-59	6	-	107	135	10.8	-		Analyses by regional water pollution control board
		8-18-60	6		94	120	42.6			Analyses by regional water pollution control board
		1-5-61	6		116	130	30.8			
29	East Bay Municipal Utility District	9-11&12-56	24	-	146	415	-	-		
		7-5 &6-58	mon. average	71.8 average for sampling period	-	-	-	-		Discharge value is average for sampling period
		8-19-58	8		88	134	39.2	69,000,000		East Bay Municipal Utility District Analyses
		8-59	mon. average	-	106	350	-	1,640,000		
30	City of San Leandro Domestic	9-11&12-56	24	-	63	149	7.5	-23,000,000 62,000,000 240,000,000		
		8-8-57	24	2.5	157	259	123			
	Industrial	9-11&12-56	24	-	264	942	27	24,000,000 23,000,000 24,000,000		
		8-8-57	24	2.8	316	699	40	-		
		8-19-58	9	1.0	-	-	-	-		
	Domestic & Industrial	9-22, 23, and 24-59	48 hr						8.7 ± 3.8	
	Domestic & Industrial	5-5-61	grab	-	72	175	9.4	-7,000,000		
31	Oro Loma Sanitary District	9-4&5-56	24	-	103	137	6.3	240,000,000 240,000,000 24,000,000		
		8-7-57	16	8.7	79	132	20	-		
		8-19-58	9	9.2	-	-	-	-		
		9-22-59	grab	-	-	-	-	-	6.9 ± 3.8	
		4-25 -- 27-61	24 hr		106	145	36	-		Regional water pollution control board analyses
		5-5-61	grab		58	135	2.9	-7,000,000		

TABLE D-2 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100mL)	Gross radioactivity (μμc/l)	Remarks
32	City of Hayward	9-4&5-56	24	-	125	674	1.2	700,000,000 240,000,000		
		8-7&8-57	24	6.4	105	561	14	-		
		8-19-58	9	10.7	-	-	-	-		
		5-5-61	grab	-	26	178	2.4	- 7,000,000		
33	Union Sanitary District (Newark)	8-7-57	16	1.3	173	114	23 (avg. - RWPCB)	-		
		8-19-58	9	2.3	-	-		-		
		5-22-61	12	-	-	-	-	-	7.4 ± 3.5	
34	Union Sanitary District (Irvington)	5-20-50	6	-	538	195	161	-		
		5-24-61	8	-	-	-	-	-	1.3 ± 3.3	
35	Milpitas San. Dist.	4-28-60	6	-	158	75	18	-	2.90 ± 2.59	
		1-26-61	6	-	214	61	33	-		
36	City of San Jose	8-28&29-56	24	-	428	973	53	62,000,000 62,000,000 62,000,000		
		8-6-57	24	-	237	475	-	-		
		5-22-61	Grab	-	-	-	-	-	2.7 ± 3.7	
37	City of Sunnyvale	8-28&29-56	24	-	25	37	20	62,000,000 6,200,000 62,000,000		
		8-19-58	9	12.6	-	-	-			
		1-28&29-59	24	6.8	76	110	13.9	-		
		8-27-59	8	-	-	-	-	-	0.36 ± 2.60	
		5-22-61	24	-	-	-	-	-	7.7 ± 3.5	
38	City of Mountain View	9-31-56	12	-	70	117	8.4	6,200,000 6,200,000		
		8-5-57	10	-	46	166	20	-		
		8-19-58	9	9.8	-	-	-	-		
		5-9&10-60	10	-	117	140	22.9	-	0.00 ± 2.41	
		5-22-61	grab	-	-	-	-	-	12.3 ± 3.4	
39	City of Palo Alto	8-30&31-56	24	-	112	95	3.8	23,000,000 23,000,000 62,000,000		
		8-19-58	9	5.0	-	-	-	-		
	(b)	5-20&21-59	24	6.6	72	78	13.8	-		
		5-24-61	Grab	-	-	-	-	-	3.6 ± 3.3	
40	Menlo Park Sanitary District	8-29&30-56	24	-	64	118	32	62,000,000 240,000,000 23,000,000		
		8-5-57	16	-	82	126	22 (avg. RWPCB)	-		
		8-20-58	11	3.9	-	-	-	-		

TABLE D-2 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn / 100ml.)	Gross radioactivity (μμc/l)	Remarks
40	Menlo Park Sanitary District (cont.)	9-1&2-60	17	-	114	105	17.4	-	-	Regional Water Pollution Control Board Analyses
		3-2-61	grab	-	-	-	-	-	1.3 ± 2.8	
41	Redwood City	8-30&31-56	24	-	91	239	14	240,000,000 240,000,000 240,000,000		
		8-20-58	9	6.8	-	-	-	-		
		(b)11-19-58	9	6.1	193	580	12.0	-		
		5-26&27-59	24	5.9	188	380	27.4	-		
		3-3-60	6	-	-	-	-	-	2.92 ± 3.64	
		9-1&2-60	24	-	136	200	10.5	24,000,000		Regional Water Pollution Control Board Analyses
		1-20-61	24	-	92	130	21	-		
42	Cities of San Carlos-Belmont	9-4&5-56	24	-	124	150	7.2	62,000,000 62,000,000 50,000,000		
		8-6-57	14	1.2	80	157	-	-		
		8-20-58	9	3.0	-	-	-	-		
		9-1&2-60	9	-	110	115	16.2			Regional Water Pollution Control Board Analyses
		2-27-61	grab	-	-	-	-	600 6,200	11.8 ± 3.1	
		5-22-61	grab	-	-	-	-	-	0.3 ± 3.1	
43	City of San Mateo	8-31-56	24	-	135	131	24	23,000,000 62,000,000 23,000,000		
		8-20-58	9	5.9	-	-	-	-		
		6-4&5-59	15	7.0	98	120	7.1			
		2-28-61	grab	-	-	-	-	-	2.7 ± 9.8	
44	City of Burlingame	8-30&31-56	24	-	98	100	18	240,000,000 230,000,000 2,300,000		
		8-6-57	16	-	65	135	24 (avg. RWPCB)			
		8-20-58	9	1.7	-	-	-	-	12.75 ± 2.90	
		4-26-60	grab	-	-	-	-	-		
		2-23-61	6	-	96	140	35	-		Regional Water Pollution Control Board Analyses
		4-13-61	grab	-	82	-	57	- 7,000,000		
		5-23-61	7	-	126	110	43	-		Regional Water Pollution Control Board Analyses

TABLE D-2 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Date sampled	Hours campa-sited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
45	City of Millbrae	8-29&30-56	24	-	112	184	54	62,000,000 62,000,000 23,000,000		
		8-5-57	16	-	99	170	46	-		
		8-20-58	9	1.0	-	-	-	-		
		4-26-60	6	-	212	160	32.7	-	7.85 ± 2.75	Regional water pollution control board analyses
		5-23-61	7	-	134	130	50	-		
46	Cities of South San Francisco-San Bruno	8-29&30-56	24	-	126	119	34	6,200,000 5,000,000 6,200,000		
		8-8-57	16	7.8	112	230	53	-		
		8-20-58	9	6.1	-	-	-	240,000		
		10-18-60	Grab	-	-	-	-	7,000,000		
		2-23-61	24	-	280	235	93	2,400,000		
		2-24-61	Grab	-	-	-	-	-	2.8 ± 2.9	
47	City and County of San Francisco Southeast Plant	9-5&6-56	24	-	192	220	15	62,000,000 24,000,000 50,000,000		
		8-26-58	9	18.3	-	-	-	-		
		2-15, 16, 17, and 18-60	24	-	119 143 160	165 180 180	20.7 22.9 22.0	-		Regional Water Pollution Control Board Analyses
		3-18-61	24	-	106	256	39			Regional Water Pollution Control Board Analyses
		4-13,& 14-60	24	-	356 108	260 195	75.2 21.6			Regional Water Pollution Control Board Analyses
48	North Point Plant	9-5&6-56	24	-	84	160	-	60,000 620,000 60,000		
		8-26-58	9	54.8	-	-	-	-		
		3-8-61	24	-	76	167	50	24,000 7,000,000 620,000	3.5 ± 3.2	Regional Water Pollution Control Board Analyses
		5-18-61	8	-	114	120	43			
49	McQueen Plant	4-5-61	24	-	9	18	4.3	-600	6.2 ± 3.3	
50	Richmond - Sunset Plant	3-7&8-61	24	13	74	148	53	6,200 +7,000,000 +7,000,000	7.8 ± 3.3	
		9-6&7-56	24	-	17	5.3	1.2	-2,300 240,000 -2,400		

TABLE D-2 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN FRANCISCO BAY REGION (NO. 2)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
51	North San Mateo County	3-10-61	24	-	66	191	50	-7,000,000 -7,000,000 -600	12.0 ± 3.4	
52	City of Livermore	8-18-59 5-13-60 11-17-60	24 6 grab	- - -	7 13.5 -	35 20 -	7.4 3.8 -	6,200,000 - -	4.48 ± 2.70	

TABLE D-3

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL COASTAL REGION (NO. 3)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
1	City of Santa Cruz	9-6-56	8	--	192	165	100	+ 70,000,000	--	
		8-1-57	14	3.2	240	523	47	62,000,000	--	
								13,000,000		
		8-12-59	24	--	212	400	57.8	--	10.01 ± 2.96	
		5-26-60	24	--	80	152	35.3	--	--	
		9-21-60	24	--	44	375	29	--	--	
		5-26-61	24	--	217	328	62	--	--	
2	City of Watsonville	9-6-56	8	--	288	218	34	24,000,000	--	
	(b)	10-25-58	8	2.5	191	145	6.8	70,000,000	--	
		8-11-59	--	--	202	218	73	- 6,000	4.68 ± 2.82	
		5-24-60	--	--	154	317	38	--	8.78 ± 3.39	
		9-21-60	--	--	66	182	26	24,000	--	
								72,400,000		
		5-26-61	--	--	40	211	38	+ 7,000,000	--	
								7,000,000		
								+ 7,000,000		
3	Fort Ord (Main Garrison)	5-26-55	8	1.9	99	250	89	--		
		8-12-59	8	--	123	310	65	--	7.80 ± 2.97	
		9-20-60	24	--	142	172	49	--	--	
		5-23-61	24	--	57	202	70	--	--	
4	Seaside County Sanitation District	11-15-56	6	--	159	141	89	62	--	
		8-2-57	16	--	72	228	100	23,000,000	--	
								23,000,000		
		8-13-59	8	--	81	129	82.8	230,000	7.09 ± 3.02	
								- 6,000		
		5-20-60	--	--	88	140	56.6	6,200	7.93 ± 3.36	
								- 6,000		
								6,000		
		9-20-60	24	--	120	149	67	--	--	
		5-23-61	24	--	98	163	70	- 600	--	
								6,200		
								6,200		
5	City of Monterey	11-15-56	7	--	90	114	51	2,300	--	
		8-2-57	10	--	52	192	60	23,000,000	--	
								6,200,000		
		8-14-59	8	--	130	184	58.6	24,000,000	6.55 ± 2.90	
								24,000,000		
		5-23-60	24	--	160	203	57.5	- 6,000	4.55 ± 3.26	
								240,000		
								13,000		

(b) Analyses by regional water pollution control board.

TABLE D-3 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL COASTAL REGION (NO. 3)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
5	City of Monterey (Continued)	9-19-60	24	--	112	142	50	13,000,000 21,000,000 - 60,000	--	
		5-22-61	24	--	86	194	76	+ 7,000,000 + 7,000,000 - 600	--	
6	City of Pacific Grove	8-1-57	7	--	74	115	45	6 2,300,000 2,300,000	--	
		8-16-59	8	--	53	96	56.7	6,000 2,300,000	5.50 ± 2.90	
		5-19-60	24	--	87	90	48.8	23,000 240,000 - 6,000	2.39 ± 3.21	
		9-19-60	24	--	68	118	53	- 60,000 - 60,000 - 60,000	--	
		5-22-61	24	--	62	152	67	600 - 600 - 600	--	
7	Carmel Sanitary District	11-15-56	7	--	19	9.7	26	6,200	--	
		8-1-57	16	--	90	161	60	--	--	
		8-13-59	8	--	14	6.9	12.4	- 6,000 2,300,000	10.86 ± 3.03	
		5-20-60	24	--	39.4	106	39.4	62,000 24,000,000 24,000,000	6.46 ± 3.32	
		9-19-60	24	--	18	56	16	- 6,000 - 6,000 240,000	--	
		5-22-61	24	--	28	4.0	33	240,000 2,400,000	--	
8	City of Salinas	11-15-56	7	--	19	9.7	26	6,200	--	
		7-31-57	16	--	29	32	12	23,000,000 6,200,000	-- --	
		8-11-59	--	--	21	38	17.3	230,000 6,200,000	14.50 ± 3.08	
		5-18-60	--	--	- 1.0	16.0	10	230,000 2,400,000 13,000,000	8.30 ± 3.36	
		9-23-60	--	--	30	97	7.1	2,400,000 +24,000,000 7,000,000	--	

TABLE D-3 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL COASTAL REGION (NO. 3)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
8	City of Salinas (Continued)	5-24-61	--	--	14	19	19	130,000 7,000,000 2,400,000	--	
9	Alisal Sanitary District	11-15-56	8	--	36	52	20	2,300	--	
		7-31-57	24	2.7	2	28	12	2,300,000 23,000,000	-- --	
		8-11-59	--	--	17	42	17.5	6,200,000 2,300,000	10.61 ± 3.00	
		5-18-60	--	--	1.0	9.8	12	--	4.15 ± 3.26	
		9-23-60	--	--	12	11	11	2,400,000 600 2,300 600	--	
		5-24-61	--	--	26	30	14	2,300 600 1,300	--	
10	Soledad State Prison	8-14-59	8	--	43	28	22.2	6,000	--	
		5-19-60	24	--	28	33	14.8	23,000 6,000 6,000	6.36 ± 3.32	
		9-22-60	24	--	24	14	17	240,000 460 6,200	--	
		5-24-61	24	--	24	30	13	600 600 240,000	--	
		9-22-61	24	--	50	37	11	--	--	
11	City of Paso Robles	10-15-57	8	0.9	12	15	5.2	--	--	
		10-13-59	8	1.2	--	--	5.8	2,400,000 7,000,000	-- --	
		5- 9-60	24	0.8	11	30	6	7,000,000 2,400,000	3.9 ± 1.8[c]	
		9-12-60	24	1.1	3	20	11	--	3.8 ± 1.1[c]	
		5-22-61	24	0.7	10	35	22	--	11.6 ± 2.6[c] 5.6 ± 1.2[d]	
		9-11-61	24	0.8	12	79	4	--	5.6 ± 1.2[c] 0.3 ± 0.5[d]	
		5-21-62	24	0.8	21	86	7	--	--	

c. Filtrate
d. Sludge

TABLE D-3 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL COASTAL REGION (NO. 3)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml)	Gross radioactivity (μμc/l)	Remarks
12	Morro Bay - Cayucos Sanitary District	5-27-58	--	--	22	--	5.7	70,000,000 450	--	
		10-13-59	19	0.5	35	59	4.7	21,000 130,000	--	
		9-12-60	24	0.6	38	37	5	4,500 4,500	1.2 ± 1.1	
		5-23-61	21	0.6	40	36	15	60 2,300 4,500	3.4 ± 0.9[c] 20.0 ± 3.9[d] --	
		9-11-61	24	0.4	60	119	7	--	4.8 ± 1.0[c] 0.0 ± 0.5[d]	
		5-21-62	24	--	34	69	6	--	--	
13	City of San Luis Obispo	10-[illegible]-57	16	1.2	32	48	12	--		
		10-8-58	18	1.6	--	--	--	--	0.38 ± 0.37[e] 9.7 ± 4.5[f]	
		10-13-59	19	1.8	27	28	1.8	1,300,000 2,400,000	--	
		5-10-60	24	1.7	15	22	88	2,400,000 2,400,000	2.8 ± 2.0[c]	
		9-13-60	24	1.6	6	17	12	--	2.8 ± 1.1[c]	
		5-[illegible]-61	24	1.6	15	33	4.2	6,000 6,000 6,000	--	
		9-12-61	24	2.0	16	67	4	--	6.3 ± 1.2[c] 2.3 ± 0.8[d]	
		5-[illegible]-62	24	2.6	19	16	8	--	--	
14	Vandenberg Air Force Base	5-9-60	24	[illegible]	21	33	38	2,400,000 230,000	9.0 ± 1.7[c]	
15	City of Santa Maria	8-15-56	24	1.1	6.7	80	3.0	23,000,000 62,000,000 23,000,000	--	
		10-9-57	18	2.2	41	51	9.9	--	--	
		10-8-58	8	3.0	47	75	5.0	--	0.72 ± 0.51[e] 7.5 ± 4.4[f]	
		10-15-59	16	2.5	70	111	8.8	>7,000,000 >7,000,000	9.4 ± 2.98	
		5-10-60	24	2.0	94	160	16	>7,000,000 >7,000,000	12.3 ± 2.17[c]	
		9-14-60	24	5.4	48	48	26	--	2.3 ± 1.0[c]	
		5-23-61	24	3.5	75	197	19	--	1.0 ± 0.7[c] 16.3 ± 3.8[d]	
		9-12-61	24	3.4	93	390	24	--	12.9 ± 1.8[c] 7.7 ± 1.4[d]	
		5-21-62	24	3.5	59	291	17	--	--	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-3 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL COASTAL REGION (NO. 3)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml)	Gross radioactivity (μμc/l)	Remarks
16	City of Lompoc	10- 9-57	24	0.5	17	50	10	230,000	--	
		5- 1-58	24	0.5	25	23	6.0	240,000		
		10- 9-58	24	0.6	--	--	--	--	0.22 ± 0.21[e] 9.71 ± 4.3[f]	
		10-15-59	25	0.9	174	182	18	>7,000,000 >7,000,000	7.2 ± 2.65[c]	
		5- 9-60	24	0.7	48	47	23	230,000 6,000	7.3 ± 1.84[c]	
		9-14-60	24	1.0	50	17	20	< 4,500 < 4,500 < 4,500	4.1 ± 1.7[c]	
		5-24-61	24	0.8	35	31	13	< 4,500 6,000 6,000	12.8 ± 3.6[c] 8.8 ± 2.9[d] --	
		9-13-61	24	1.0	28	87	20	--	17.0 ± 2.1[c] 21.7 ± 2.3[d]	
		5-23-62	24	1.2	28	63	9	--	--	
17	Goleta Sanitary District	8-14-56	--	--	70	34	3	600 600 2,300	--	
		5- 1-58	8	0.5	53	36	7	600,000	--	
		10-16-59	--	0.8	127	50	4.7	7,000,000 7,000,000	12.4 ± 2.77[c]	
		5- 9-60	--	0.9	164	130	18	7,000,000 7,000,000	3.6 ± 1.84[c]	
		9-12-60	Grab	1.4	68	67	15	6,000 6,000	8.4 ± 1.8[c]	
		5-22-61	Grab	1.1	85	105	27	4,500 4,500	27.8 ± 2.1[c] 15.3 ± 2.2[d]	
		9-11-61	Grab	1.3	66	80	21	--	44.5 ± 2.9[c] 3.6 ± 1.2[d]	
		5-21-62	Grab	1.4	55	47	6	--	--	
18	City of Santa Barbara	8-15-56	24	4.8	93	140	2.0	240,000,000 62,000,000 23,000	--	
		10- 9-57	16	4.5	63	--	20	5,000,000 70,000,000	--	
		5- 8-58	16	4.9	114	27	30	--	--	
		10- 8-58	16	4.6	--	--	--	--	0.15 ± 0.25[e] 10.0 ± 4.5[f]	
		10-15-59	24	6.3	112	119	24	--	11.2 ± 2.75	
		5-16-60	24	--	120	128	64	7,000,000 >7,000,000	11.5 ± 1.96[c]	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-3 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL COASTAL REGION (NO. 3)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml)	Gross radioactivity (μμc/l)	Remarks
18	City of Santa Barbara (continued)	9-21-60	24	5.1	61	78	48	62,000 6,000 4,500	3.4 ± 0.9[c]	
		5-24-61	24	4.9	75	136	31	> 700,000 700,000 > 700,000	3.3 ± 1.6[c] 2.1 ± 1.4[d]	
		9-13-61	24	5.1	65	196	4	--	15.5 ± 1.7[c] 12.9 ± 1.5[d]	
		5-23-62	24	5.7	35	93	5	--	--	
19	Carpinteria Sanitary District	8-14-56	24	0.3	21	21	7.0	2,300,000 13,000,000 2,300,000	--	
		10-15-57	10	0.3	14	--	6.3	230	--	
		5- 7-58	10	0.5	48	58	10	< 4,500 4,500	--	
		10-15-59	23	0.3	51	29	5.1	230 620	--	
		5-16-60	24	0.5	49	21	12	13,000 < 4,500	8.6 ± 1.93[c]	
		9-21-60	24	0.5	28	11	3.8	< 4,500 < 4,500 240,000	4.0 ± 1.1[c]	
		5-24-61	24	0.6	30	52	8.3	23,000 < 4,500 < 4,500	5.4 ± 2.3[c] 3.6 ± 1.9[d]	
		9-13-61	24	0.6	33	192	6	--	0.3 ± 0.5[c] 7.5 ± 1.1[d]	
		5-23-62	24	0.7	12	7	4	--	--	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-4

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

LOS ANGELES REGION (NO. 4)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
1	City of Ojai	11-16-55	8	--	30	40	3	6,200 23,000	--	
		5-17-56	8	--	20	30	2	< 45	--	
		11-14-56	8	--	41	42	4	< 45	--	
		5-15-57	8	--	26	65	8	< 45	--	
		11-20-57	8	--	39	71	11	< 45	--	
		5-14-58	8	0.2	51	23	6	130	--	
		11-12-58	8	--	27	61	7	< 45	--	
		5-1[illegible]-59	8	--	14	30	7	60	--	
		5-20-59	Grab	--	--	--	--	--	9.8 ± 0.9[c] 4.4 ± 0.9[d]	
		11- 4-59	8	--	22	23	6	< 45	--	
		4-12-60	8	--	24	10	3	< 45	--	
		10-[illegible]-60	8	0.7	10	10	3	60	--	
		10-16-61	--	0.7	15	10	1	< 45	--	
2	City of Santa Paula	11-1[illegible]-55	8	--	93	37	5	2,300,000	--	
		5-17-56	8	0.7	14	68	3	< 4,500	--	
		11-14-56	8	--	72	18	7	46	--	
		5-15-57	9	0.5	29	33	3	6,200	--	
		11-20-57	8	--	47	43	8	< 45	--	
		5-14-58	8	0.9	44	19	30	230	--	
		11-12-58	7	0.5	25	20	1	< 45	--	
		5-19-59	8	0.6	22	33	6	620	--	
		5-20-59	Grab	--	--	--	--	--	17.1 ± 1.0[c] 7.9 ± 0.9[d]	
		11- 4-59	8	--	77	36	16	230	--	
		4-12-60	8	0.6	60	40	18	620	--	
		10-1[illegible]-60	8	0.7	29	16	3.5	< 45	--	
		10-16-61	--	1.0	21	10	4	2,400,000	--	
3	City of Ventura Seaside Plant	11-16-55	18	--	167	235	15	62,000,000	--	
		5-17-56	14	2.0	170	300	37	620,000,000	--	
		11-14-56	14	--	230	280	67	70,000,000	--	
		5-15-57	14	--	282	460	85	>70,000,000	--	
		11-20-57	14	--	204	300	20	>70,000,000	--	
		5-14-58	14	4.0	140	217	31	>70,000,000	--	
		11-12-58	14	3.5	128	235	49	>70,000,000	--	
		5-19-59	15	2.7	84	346	49	>700,000,000	--	
		6- 1-59	--	--	--	--	--	--	18.3 ± 1.1[c] 15.9 ± 1.0[d]	
		11- 4-59	8	--	74	235	14	700,000,000	--	
		4-12-60	8	2.1	176	300	54	>70,000,000	--	
		10-19-60	8	0.7	160	369	44	>700,000,000	--	
		10-16-61	--	1.1	119	135	31	500,000,000	--	
4	City of Ventura Eastside Plant	10-16-61	--	1.2	9	19	5	13,000,000	--	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-4 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

LOS ANGELES REGION (NO. 4)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml)	Gross radioactivity (μμc/l)	Remarks
5	City of Oxnard	11-16-55	15	--	98	65	3	700,000	--	
		5-17-56	16	3.3	35	35	4	> 700,000	--	
		11-14-56	24	--	41	30	3	2,400,000	--	
		5-15-57	24	3.4	55	77	7	>7,000,000	--	
		11-26-57	24	--	47	72	6	6,200,000	--	
		5-14-58	16	3.8	64	51	4	24,000,000	--	
		11-12-58	16	3.9	37	96	10	2,300,000	--	
		5-1[illegible]-59	24	2.9	26	80	4	24,000,000	--	
		5-20-59	Grab	--	--	--	--	--	11.5 ± 1.0[c] 8.2 ± 0.9[d]	
		11- 4-59	8	--	84	145	28	23,000,000	--	
		4-12-60	8	3.8	86	69	12	70,000,000	--	
		11-23-60	18	4.6	44	123	20	700,000,000	--	
		10-16-61	--	4.0	97	156	21	62,000,000	--	
6	Port Hueneme Sanitary District	11-16-55	8	--	54	53	3	6,200,000	--	
		5-17-56	8	--	133	115	18	23,000,000	--	
		11-14-56	8	--	104	126	20	70,000,000	--	
		5-15-57	3	0.4	200	240	15	70,000,000	--	
		11-26-57	10	--	214	500	35	>70,000,000	--	
		5-14-58	8	1.4	428	360	3	24,000,000	--	
		11-12-58	8	0.8	362	400	16	>70,000,000	--	
		5-19-59	8	1.3	162	460	30	700,000,000	--	
		5-20-59	Grab	--	--	--	--	--	9.3 ± 0.9[c] 16.3 ± 1.0[d]	
		11- 4-59	8	--	212	330	31	240,000,000	--	
		4-12-60	8	1.3	172	230	22	13,000,000	--	
		10-19-60	8	0.9	128	109	20	62,000,000	--	
		10-16-61	--	1.0	110	72	30	2,400,000	--	
7	U. S. Naval Construction Battalion Center - Port Hueneme	8-14-56	24	--	54	93	39	23,000,000 6,200,000 62,000,000	--	
8	Camarillo Sanitary District	11-12-58	8	0.2	6	14	2	> 70,000	--	
		5-19-59	9	0.2	4	13	2	< 45	11.7 ± 1.0[c]	
		11- 4-59	8	--	20	8	2	60	--	
		4-12-60	8	0.3	14	9	6	< 45	--	
		10-19-60	8	0.4	17	27	1.9	230	--	
		10- 3-61	--	0.7	21	14	2	< 45	--	
[illegible]	City of Los Angeles Hyperion Plant	11- [illegible]-55	24	--	45	45	6	>700,000,000	--	
		5-16-56	24	271	57	45	12	23,000,000	--	
		11-15-56	24	266	128	72	20	> 70,000,000	--	
		5- [illegible]-57	24	269	99	50	14	7,000,000	--	
		11-20-57	24	--	44	67	7	24,000,000	--	
		5-15-58	24	273	68	48	5	24,000,000	--	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-4 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

LOS ANGELES REGION (NO. 4)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100mL)	Gross radioactivity (μμc/l)	Remarks
9	City of Los Angeles Hyperion Plant (continued)	11-19-58	24	273	67	102	1	70,000,000	23.9 ± 1.2[c] 2.9 ± 0.9[d]	
		5-19-59	24	268	7	38	5	62,000,000	--	
		10-22-59	24	--	32	48	3.8	23,000,000	--	
		4- 6-60	24	172	86	180	18	70,000,000	--	5 Mile Outfall
		4- 6-60	24	100	9	11	2.0	2,300,000	--	1 Mile Outfall
		10-19-60	24	166	60	96	24	62,000,000	--	Primary
		11- 2-60	24	100	7	16	2	23,000,000	--	Secondary
		9-26-61	--	277	92	144	20	6,200,000	--	
10	City of Los Angeles Terminal Island Plant	11- 9-55	16	--	134	180	8	700,000,000	--	
		5-16-56	16	5.6	120	155	13	23,000,000	--	
		11-15-56	12	6.3	117	150	9	24,000,000	--	
		5- 9-57	12	6.0	109	195	34	7,000,000	--	
		11-20-57	16	--	111	160	35	70,000,000	--	
		5-15-58	16	6.3	100	150	29	70,000,000	--	
		11-19-58	16	5.9	97	175	17	70,000,000	--	
		5-19-59	12	6.6	64	182	26	240,000,000	--	
		5-20-59	16	--	--	--	--	--	11.9 ± 1.0[c] 9.7 ± 0.9[d]	
		10-22-59	12	--	72	130	19	62,000,000	--	
		4- 6-60	12	6.4	88	192	22	70,000,000	--	
		11- 2-60	8	6.5	116	183	37	23,000,000	--	
		9-26-61	--	6.5	109	236	30	230,000,000	--	
11	County Sanitation Districts of Los Angeles County Joint Disposal Plant	11- 9-55	24	--	224	170	32	700,000,000	--	
		5-16-56	24	184	150	225	16	23,000,000	--	
		11-15-56	24	180	272	210	48	70,000,000	--	
		5- 9-57	24	206	208	205	47	7,000,000	--	
		11-20-57	24	--	232	220	75	70,000,000	--	
		5-15-58	24	230	282	212	45	70,000,000	--	
		11-19-58	24	233	227	278	67	70,000,000	--	
		5-19-59	24	262	170	268	129	240,000,000	18.1 ± 1.0[c] 6.5 ± 0.9[d]	
		10-22-59	24	--	247	230	42	620,000,000	--	
		4- 6-60	24	279	276	347	56	70,000,000	--	
		11- 2-60	24	281	304	270	77	62,000,000	--	
		5- 2-61	24	294	277	262	89	23,000,000	--	
		9-26-61	--	285	200	232	59	230,000,000	--	
12	County Sanitation Districts of Los Angeles County Lucky Lager Plant									Unavailable

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-4 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

LOS ANGELES REGION (NO. 4)

Number	Agency	Date sampled	Hours campo-sited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml)	Gross radioactivity (μμc/l)	Remarks
13	County Sanitation Districts of Los Angeles County Azusa Plant	11- 9-55	8	--	24	17	4	13,000,000	--	
		5-16-56	8	0.5	16	16	22	23,000,000	--	
		11-15-56	5	0.7	75	43	4	24,000,000	--	
		5- 9-57	5	0.7	27	27	3	24,000	--	
		11-20-57	8	--	37	25	8	> 700,000	--	
		5-20-58	8	--	44	32	7	13,000,000	--	
		11-19-58	8	0.6	44	37	7	24,000,000	--	
		5-19-59	8	0.7	50	20	9	6,200,000	40.7 ± 1.4[c] 18.5 ± 1.0[d]	
		10-22-59	8	--	50	34	3	13,000,000	--	
		4- 6-60	8	0.3	26	38	2.6	6,200,000	--	
		11- 2-60	8	0.6	30	20	3.1	23,000,000	--	
		9-26-61	--	0.7	35	37	2.4	23,000,000	--	
14	County Sanitation Districts of Los Angeles County Pomona Plant	11- 9-55	8	--	26	7	4	24,000	--	
		5-16-56	8	2.8	11	11	3	600	--	
		11-15-56	8	4.1	22	8	5	7,000	--	
		5- 9-57	8	4.2	17	26	7	6,200	--	
		11-20-57	8	--	17	15	5	7,000	--	
		5-15-58	8	3.4	6	15	4	230	--	
		11-19-58	8	4.6	16	168	3	6,200	--	
		4-19-59	12	4.0	11	32	4	60	15.4 ± 1.0[c] 3.0 ± 0.9[d]	
		10-22-59	8	--	13	9	1.3	> 70,000	--	
		4- 6-60	8	4.5	19	24	1.6	< 2,300	--	
		11- 2-60	8	3.6	16	5	3.8	< 45	--	
		9-26-61	--	4.0	4	34	4	6,200	--	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-5

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
1	City of Redding	6-20-56	24	----	80	87	---	1[illegible],000,000 [illegible],000,000	----	
		7-10-57	24	1.9	257	102	22	---	----	
		9-3-58	9	2.5	---	---	---	---		
		4-18-60	8	1.2	93	167	---	---	----	
		7-18-60	11	1.72	---	96	---	---	----	
		8-15-60	11	1.72	---	100	---	---	----	
		9-19-60	11	1.56	---	98	---	---	----	
		10-17-60	11	2.11	100	106	38	---	----	
		11-14-60	11	1.49	---	150	44	---	----	
		12-12-60	11	1.62	80	138	31	---	----	
		1-16-61	11	2.34	84	164	36	---	----	
		2-14-61	11	4.20	44	63	18	---	----	
		3-20-61	11	2.74	56	124	36	---	----	
		4-18-61	--	----	84	323	36	---	----	
		5-23-61	--	----	58	127	35	---	----	
		6-12-61	12	----	116	175	47	---	----	
2	City of Red Bluff	6-20-56	24	----	50	49	---	23,000,000 130,000,000	----	
		7-10-57	24	----	93	99	22	---	----	
		9-3-58	9	1.3	---	---	---	---		
		4-18-60	8	0.96	99	141	---	---	----	
		5-16-60	8	0.95	56	150	---	---	----	
		7-18-60	8	1.23	43	76	---	---	----	
		8-15-60	8	1.25	---	150	---	---	----	
		9-19-60	8	1.02	---	83	---	---	----	
		10-17-60	8	1.03	100	142	37	---	----	
		11-14-60	8	1.17	---	102	49	---	----	
		12-12-60	8	1.13	64	109	34	---	----	
		1-16-61	8	0.98	102	166	50	---	----	
		2-14-61	8	1.29	84	140	38	---	----	
		3-20-61	8	1.21	88	134	43	---	----	
		4-18-61	--	----	104	179	46	---	----	
		5-23-61	--	----	88	169	27	---	----	
		6-12-61	9	----	124	148	52	---	----	
3	City of Chico	6-20-56	24	----	70	77	---	23,000,000 23,000,000 23,000,000	----	Effluent from clarifier
		7-9-57	16	3.0	88	82	15	---	----	Effluent from clarifier
		8-3-58	--	----	---	---	---			
		7-21-60	24	----	142	55	1.6	6,200,000	----	
		4-20-61	--	----	14	38	10	2,400,000	----	

TABLE D-5 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
4	City of Oroville	6-18-56	24	--	82	99	--	70,000,000 24,000,000 70,000,000	--	
		6-3-59	8	--	99	15	--	--	0.00 ± 0.00	
		8-26-59	8	--	--	--	--	--	2.69 ± 2.52	
		8-19-60	24	--	53	453	33	24,000,000	--	
5	City of Gridley	6-22-56	24	--	62	101	--	23,000,000 6,200,000 23,000,000	--	
		7-9-57	8	0.8	69	159	26	--	--	
		8-3-58	--	--	--	--	--	--		0.16 ± 0.42[e]; 3.65 ± 3.4[f]
		9-3-59	8	--	40	178	14	7,000,000	--	
		3-23-61	--	--	--	--	--	--	2.69 ± 2.52	
6	Yuba City	6-21-56	24	--	38	39	--	2,300,000 21,000,000 2,300,000	--	
		7-11-57	24	2.7	59	157	16	--	--	
		8-3-58	9	3.0	--	--	--	--		0.16 ± 0.36[e]; 5.59 ± 3.4[f]
		9-3-59	16	--	85	475+	14.5	24,000,000	--	
		11-20-59	--	--	--	--	--	--	1.2 ± 2.40	
7	City of Marysville	6-21-56	24	--	74	57	--	2,300,000 130,000,000 23,000,000	--	
		7-11-57	24	--	38	70	2.1	--	--	
		8-3-58	8	2.0	--	--	--	--		0.0 ± 0.32[e]; 6.09 ± 3.5[f]
		8-26-59	16	--	183	66	9.3	--	5.30 ± 2.47	
		3-20-61	--	--	--	--	--	7,000,000	--	
8	City of Grass Valley	6-26-56	24	--	18	8	--	23,000 23,000 23,000	--	
		7-15-57	16	1.0	21	14	5	23,000 23,000		
		9-3-58	--	--	--	--	--	--		0.43 ± 0.32[e]; 1.66 ± 3.5[f]
		7-27-59	--	--	--	--	7.4	23,000	8.60 ± 3.23	
		9-3-59	8	--	--	--	--	--	--	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-5 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
9	City of Auburn	6-27-56	24	--	58	33	--	6,000 6,200,000 620,000	--	
		7-16-57	24	0.8	23	20	3.5	230,000 230,000	--	
		9-3-58	--	--	--	--	--	--		0.43 ± 0.31[e]; 8.56 ± 4.7[f]
		9-3-59	8	--	22	18	8.1	6,000	8.82 ± 3.25	Radioactivity test on 8-27-59.
10	City of Roseville	6-26-56	24	--	38	13	--	620,000 6,200,000 2,300,000	--	
		7-16-57	12	1.4	21	33	--	--	--	
		9-3-58	9	1.5	--	--	--	--		0.00 ± 0.29[e]; 28.87 ± 3.7[f]
		9-14-59	15	--	17	28	9.6	6,000	13.1 ± 4.2	
11	City of Placerville	8-27-59	8	--	78	58	17.2	6,000	12.11 ± 3.37	Chlorine contact chamber
12	Sacramento County Sanitary District No. 6	6-27-56	24	--	22	10	--	230,000 2,300,000 620,000	--	
		7-16-57	24	--	15	11	--	--	--	
		9-3-58	9	3.6	--	--	--	--	9.47 ± 3.7	
		9-14-59	8	--	22	22	10.0	2,300,000	8.4 ± 4.1	
13	McClellan Air Force Base	6-3-56	24	--	10	3	--	620,000 2,300,000 620,000	--	
		6-3-59	24	--	20	0.05	8.6	62,000		0.32 ± 0.31[e]; 12.99 ± 3.9[f]
		9-14-59	24	--	22	21	3.8	62,000	--	
		11-25-69	--	--	--	--	--	--	12.0 ± 4.2	
14	City of Woodland	6-25-56	24	--	146	113	--	13,000,000 63,000,000 6,200,000	--	
		7-15-57	16	--	115	120	26	--	--	
		9-4-58	8	--	--	--	--	--		0.14 ± 0.25[e]; 2.43 ± 3.5[f]
		4-13-61	--	--	105	83	37.2	7,000,000	--	
15	City of Davis	6-25-56	24	--	78	61	--	23,000,000 24,000,000 23,000,000	--	
		7-15-57	16	0.8	77	73	15	--	--	
		9-4-58	9	1.2	--	--	--	--		0.0 ± 0.29[e]; 5.01 ± 3.6[f]
		9-14-59	8	--	160	139	15.6	23,000	--	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-5 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
16	West Sacramento Sanitary District	9/19-20/56	--	--	--	185	--	--	--	
		9-4-58	--	--	--	--	--	--		0.14 ± 0.25[e]; 2.43 ± 3.5[f]
		6-3-59	8	--	58	89	45.8	6,000		0.16 ± 0.27[e]; 10.41 ± 3.8[f]
		9-3-59	8	--	212	137	26.7	6,000		
17	City of Sacramento	9/19-27/55	--	--	--	242	--	--	--	
	(b)	8-57	Monthly Average	45.7	57	172	25.0	--	--	
	(b)	6-58	Monthly Average	38.1	67	135	23.0	--	--	
		9-2-59	8	--	62	301	20.9	70,000,000	6.7 ± 4.0	
		3-3-61	--	--	--	193	--	--	--	
18	Sacramento County Parkway Estates Sewer Maintenance District	9-2-59	8	--	52	24	8.6	62,000 2,300,000	--	
		4-20-61	24	--	16	35	9.2	7,000,000	--	Final Clarifier
19	Sacramento County Sanitation District No. 3	9-3-59	8	--	20	13	7.8	6,000	4.3 ± 4.0	
20	Sacramento County Cordova Sewer Maintenance District	8-20-60	24	--	18	6.2	14	6,000	1.6 ± 4.0	Radiological Sampled 9-2-59
		4-20-61	24	--	8	18	5.2	7,000,000 500,000	--	
21	Mather Air Force Base	6-28-56	24	--	14	7	--	--	--	
		6-3-59	24	--	53	22	4.7	6,000		0.47 ± 0.35[e]; 7.54 ± 4.0[f]
		9-2-59	24	--	45	27	6.9	6,000 6,000	8.1 ± 4.1	
22	City of Vacaville--Brown Street	8-4-60	24	--	108	26	24	230,000	--	
24	Fibreboard Products, Antioch 1 Street and L Street Plant	9-17-56	8	--	770	209	27	--	--	
		8-20-57	10	--	482	138	--	--	--	
		8-26-58	--	--	--	--	--	--		0.32 ± 0.39[e]; 4.59 ± 3.4[f]
		7-23-59	8	6.2	60	128	20.4	--	15.69 ± 3.25	
25	City of Antioch	9-21-56	--	--	98	112	--	62,000,000 240,000,000 770,000,000	--	
		8-19-57	16	0.6	87	126	53	6,200,000 23,000,000	--	
		8-26-58	8	1.1	--	--	--	--		0.16 ± 0.42[e]; 1.10 ± 3.4[f]
		7-22-59	--	1.3	56	71	56.4	240,000	13.50 ± 3.20	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-5 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
26	Crown-Zellerbach Corporation	6-1-59	24	16.5	157	46	5.8	240,000	--	
		7-23-59	8	--	230	61	8.6	23,000	15.69 ± 3.25	
27	Fibreboard Products, Wilbur Avenue Plant, Antioch	9-21-56	8	--	458	163	26	--	--	
		8-21-57	8	18.0	538	147	--	--	--	
		8-26-58	--	--	--	--	--	--		0.32 ± 0.39[e]; 0.0 ± 3.4[f]
		7-23-59	8	18.4	224	295	82.6	--	11.29 ± 3.15	
29	City of Lodi	7-11-56	24	--	54	26	22	23,000,000 6,200,000 23,000,000	--	
		7-17-57	24	2.4	10	11	3.4	230,000 230,000		
		9-3-58	10	2.6	--	--	--	--		0.0 ± 0.42[e]; 0.97 ± 3.5[f]
		7-24-59	12	3.1	6	10	2.9	--	6.27 ± 3.08	
		4-14-61	--	--	--	--	--	620,000 240,000		
30	North Utility District (Lincoln Village)	7-7-56	24	--	72	112	21	23,000,000 62,000,000 62,000,000	--	
31	City of Stockton North Plant	7-7-56	24	--	37	94	44	240,000,000 240,000,000	--	
		7-17-57	24	--	68	118	13	--	--	
		9-3-58	8	--	--	--	--	--		0.57 ± 0.57[e]; 15.29 ± 3.7[f]
		7-24-59	24	--	56	122	17.6	--	7.86 ± 3.10	
32	City of Stockton South Plant	7-7-56	24	--	12	16	13	23,000,000 240,000,000 23,000,000	--	
		7-17-57	24	11.7	84	346	30	--	--	
		9-3-58	24	--	--	--	--	--		0.57 ± 0.42[e]; 10.66 ± 3.7[f]
		7-24-59	24	12.9	69	29	5.6	--	4.34 ± 3.03	
		4-17-61	--	--	--	27	--	240,000		
33	City of Tracy Industrial	7-5-56	24	--	70	453	10	7,240,000,000 7,240,000,000 21,000,000	--	
		7-20-59	8	1.8	58	120	9.7	70,000,000	--	
	Domestic	7-5-56	24	--	33	27	13	72,400,000,000 72,400,000,000 72,400,000,000		
		7-18-57	16	1.1	33	17	--	--	--	
		9-3-58	24	--	--	--	--	--		0.0 ± 0.27[e]; 11.27 ± 3.7[f]
		7-24-59	8	1.3	14	17	11.9	2,300,000	1.47 ± 2.65	

e. Alpha
f. Beta

TABLE D-5 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
34	City of Manteca	7-21-59	16	--	59	207	12.3	--	12.43 ± 4.07	
		4-6-61	Grab	--	--	--	--	7,000,000 7,000,000	--	
		8-31-61	Grab	--	208	380	15	94	3.2 - 2.6	ABS - 1.6 ppm.
35	City of Modesto	7-11-56	24	--	52	177	20	62,000,000 62,000,000 240,000,000	--	
		7-19-57	12	--	32	10	--	230 230	--	
		8-19-58	8	7.2	--	--	--	--		0.15 ± 0.25[e]; 9.69 ± 3.5[f]
		7-20-59	24	6.4	32	10	3.3	2,300	8.17 ± 4.07	
36	City of Turlock Domestic Sewage	7-5-56	24	--	21	14	16	2,300,000 620,000 2,300,000	--	
		7-18-57	16	0.7	37	23	5.8	--	--	
		3-19-58	8	3.9	--	--	--	--		0.29 ± 0.29[e]; 0.0 ± 3.1[f]
		7-20-59	8	1.1	10	64	12.5	--	5.10 ± 4.02	
		4-6-61	Grab	--	--	--	--	7,000,000		
		9-28-61	24	--	50	62	17	7,000,000	14.6 ± 4.2	ABS - 2.7 ppm.
	Industrial Waste	7-5-56	24	--	24	41	13	1,300,000 7,240,000,000 7,240,000,000	--	
		7-18-57	16	--	48	231	12	--	--	
		7-20-59	8	1.0	108	364	17.0	--	6.03 ± 4.03	
		7-6-61	Grab	--	--	--	--	7,000,000	--	
		9-28-61	24	--	112	333	26	7,000,000	11.8 ± 3.9	ABS - 0.1 ppm.
37	Castle Air Force Base	7-10-56	24	--	15	21	over 7	2,300,000 2,300,000 2,300,000	--	
		6-10-59	24	0.8	7	19	14.5	620,000 2,400,000 6,200,000		0.16 ± 0.15[e]; 14.40 ± 3.8[f]
		7-20-59	24	0.7	18	21	11	6,200,000 6,200,000 5,000,000	5.19 ± 4.02	

e. Alpha
f. Beta

TABLE D-5 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
38	City of Atwater	7-29-59	8	2.3	41	21	10.8	2,300 2,300	13.90 ± 4.10	
		8-31-61	Grab	--	60	80	9.9	94	10.6 ± 2.8	ABS - 2.3 ppm
39	City of Merced	7-10-56	24	--	51	65	15	2,000,000 23,000,000 2,100,000	--	
		7-19-57	24	4.0	53	60	9.3	--	--	
		8-19-58	8	--	--	--	--	-- --		0.0 ± 0.25[e]; 4.40 ± 3.5[f]
		7-20-59	8	2.6	92	33	16.6	6,200,000 24,000,000	8.17 ± 4.07	
40	City of Madera	7-14-56	24	--	45	20	--	23,000,000 6,200,000 2,300,000	--	
		7-29-57	16	--	37	31	32	--	--	
		8-19-58	9	3.9	--	--	--	--		0.14 ± 0.32[e]; 1.44 ± 3.4[f]
		7-17-59	16	1.6	11	28	17.5	--	5.19 ± 4.02	
		4-7-61	Grab	2.2	--	--	--	7,000,000 7,000,000	--	
		9-27-61	24	--	34	53	15	7,000,000	0 ± 3.3	ABS - 4.5 ppm
		3-21-62	Grab	--	--	--	--	--	--	ABS - 3.6 ppm
		4-6-62	Grab	--	--	--	--	--	--	ABS - 3.7 ppm

Nitrogen ppm / ppm as N

Org.N	NH4	NO2	NO3	Total - N
3.9	29.4	0.00	0.9	-
3.9	22.7	0.00	0.2	26.8

Phosphate ppm / ppm as P

Ortho-P	Total-P	Org.+ T - P
20	21	27
6.52	6.85	8.81

e. Alpha
f. Beta

TABLE D-5 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
41	City of Clovis	7/14-15/60	24	--	33	4.2	20	--	--	
		4-12-61	Grab	--	--	--	--	2,400,000		
		9/26-27-61	24	--	14	31	12	2,400,000	3.9 ± 3.8	ABS - 5.4 ppm
42	City of Fresno	7-14-56	24	--	34	76	--	2,900,000 370,000	--	
		7-30-57	22	--	66	210	26	--	--	
		8-21-58	9	38.0	--	--	--	--		0.37 ± 0.45[e]; 6.29 ± 3.5[f]
		7-17-59	24	24.0	59	95	16.8	--	9.59 ± 4.05	
		4-12-61	Grab	--	--	--	--	7,000,000	--	
		7-20-61	24	--	60	194	30	--	10.4 ± 0.1	ABS - 2.7 ppm
43	City of Sanger Domestic Sewage	7-13-56	24	--	33	63	--	23,000,000 23,000,000 23,000,000	--	Domestic
		7-29-57	16	1.5	48	78	17	--	--	
		8-21-58	8	1.7	--	--	--	--		1.50 ± 0.64[e]; 7.86 ± 3.5[f]
		7-20-59	8	1.2	31	73	23.0	--	3.77 ± 3.96	ABS - 2.4 ppm Phenol - 0.020 ppm
		7/14-15/60	24	--	86	51	56	--	--	
		4-12-61	Grab	--	--	--	--	7,000,000	--	
		5-8-62	Grab	--	--	--	--	--	--	Nitrogen ppm / ppm as N

Org.N	NH_4	NO_2	NO_3	Total - N
6.8	18.0	0.00	4.4	--
6.8	14	0.00	0.1	20.9

Phosphate ppm / ppm as P

Ortho-P	Total-P	Org.+ T - P
16	16	
0.52	0.52	

e. Alpha
f. Beta

TABLE D-5 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
43	City of Sanger (continued) Industrial Waste	7-13-56	24	--	236	720	--	23,000,000 23,000,000 6,000,000	--	
		7/14-15/60	24	--	55	24	86	7,000,000 2,400,000 7,000,000	--	
		4-12-61	Grab	--	--	--	--	2,300		
44	City of Lemoore	7/12-13/60 9	24	--	185	52	172	2,400,000 2,400,000 230,000	--	
		9-12-61	Grab	--	--	--	19	--	5.2 ± 2.6	
		9-26-61	Grab	--	334	110	--	2,400,000	--	
45	City of Hanford	7-14-56	24	--	84	41	--	950,000 1,300,000 2,300,000	--	
		7-29-57	16	2.3	41	44	13	--	--	0.29 ± 0.20[e]; 0.0 ± 3.4[f]
		8-19-58	9	2.5	--	--	--	--		
		7-17-59	8	1.15	66	73	--	--	2.89 ± 3.90	
		4-12-61	8 Grab	1.75	--	--	--	6,200 7,000,000	--	
		4-22-61	Grab	--	--	--	18	--	--	
		9-12-61	Grab	--	--	--	12	--	2.0 ± 2.5	
		9-26-61	Grab	--	68	20	--	2,300	--	
		4-3-62	Grab	--	--	1 -day - 27 2.67 -day - 135 5.13 -day - 135 10.29-day - " 15.5 -day - " 20.58-day - " 30.08-day - "	--	--	--	COD - 463 ppm Nitrogen ppm / ppm as N Org.N: NH4 : NO2 : NO3 : Total - N 13 18.0 0.0 1.3 -- 13 14 0.00 0.3 27.30 Phosphate ppm / ppm as P Ortho-P : Total-P : Org.+ T - P 45 46 72 14.68 15.01 23.49

e. Alpha
f. Beta

TABLE D-5 (Continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
46	City of Visalia	7-13-56	24	--	28	15	--	23,000,000 6,200,000 6,200,000	--	
		7-30-57	16	--	69	75	4	--	--	
		8-20-58	8	0.5	--	--	--	--	--	0.29 ± 0.35[e]; 9.97 ± 3.5[f]
		7-16-59	24	--	68	43	3.2	--	15.58 ± 4.10	
		4-12-61	24	--	--	--	--	7,000,000	--	
		3-20-62	Grab	--	--	--	--	--	--	ABS - 4.1 ppm
47	City of Corcoran	7-20-59	8	1.4	36	82	42.8	70,000,000 24,000,000	3.09 ± 3.80	
		9-12-61	Grab	--	--	--	17	--	0.0 ± 2.3	
		9-26-61	Grab	--	66	32	--	13,000	--	
48	City of Tulare Domestic	7-13-56	24	--	48	22	--	94,000 210,000 620,000	--	
		7-30-57	16	--	73	127	--	--	--	
		7-15-59	12	--	23	18	10.6	6,200,000 21,000,000	2.24 ± 3.85	
		7/12-13/60	24	--	43	19	51	--	--	
		4-12-61	Grab	--	--	--	--	--	11.9 ± 3.3	
	Industrial Wastes	7-13-56	24	--	55	66	--	6,000,000 6,000,000,000 5,000,000	--	
		8-20-58	8	1.4	--	--	--	--	0.58	
		7/12-13/60	24	--	76	55	276	230,000 620,000 230,000	--	
		4-12-61	Grab	--	180	--	24	7,000,000		
		4-3-62	Grab	--	--	1 -day - 73 2.67 -day - 314 5.12 -day 7.21 -day 10.3 -day 15.5 -day 20.58 -day 30.08 -day	--	--	--	ABS - 0.1 ppm, COD - 735 ppm Nitrogen ppm / ppm as N Org.N : NH4 : NO2 : NO3 : Total -N 31 2.1 0.00 0.9 -- 31 1.6 0.00 0.2 32.80 Phosphate ppm / ppm as P Ortho-P : Total-P : Org. +T -P 47 60 89 15.33 19.57 29.03

e. Alpha
f. Beta

TABLE D-5 (Continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
49	City of Lindsay	7-15-59	8	--	50	207	45.6	--	9.0.2 ± 4.00	
		4-12-61	Grab	--	--	---	--	7,000,000	--	
		1-4-62	Grab	--	--	---	--	--	--	ABS - 1.9 ppm
		4-2-62	Grab	--	--	243	--	--	--	ABS - 0.9 ppm Phenol - 0.040 ppm Nitrogen ppm / ppm as N Org.N:NH_4 : NO_2 NO_3 :Total-N 16 30.9 -- 6.2 -- 16 24 -- 1.4 41.40 Phosphate ppm / ppm as P Ortho-P : Total-P :Org. +T-P 28 30 42 9.13 9.79 13.70
50	City of Porterville	7-13-56	16	--	--	6	--	92,000	--	
		7-25-57	24	0.7	17	15	32	--	--	
		8-20-58	8	1.0	--	---	--	--	--	0.0 ± 0.29[e]; 2.10 ± 3.4[f]
		4-14-59	8	0.5	11	5.5	7.9	--	5.96 ± 2.90	
		4-12-61	Grab	--	--	--	--	7,000,000	--	
		4-5-62	Grab	--	--	12	--	--	--	ABS - 3.2 ppm Phenol - 0.002 ppm Nitrogen ppm / ppm as N Org.N:NH_4 : NO_2 NO_3 :Total-N 5.6 21.6 10.81 2.2 -- 5.6 16.8 3.29 0.5 26.19 Phosphate ppm / ppm as P Ortho-P : Total-P : Org.+T-P 2.0 33 48 0.65 10.76 15.66

e. Alpha
f. Beta

TABLE D-5 (Continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
51	City of Delano	7-16-56	24	--	11	21	--	6,200,000 2,300,000 23,000,000	--	
		7-23-57	18	0.9	46	40	13	--	--	
		8-20-58	8	2.7	--	--	--	--	--	0.0 ± 0.20[e]; 5.59 ± 3.5[f]
		7-15-59	8	1.1	14	10	9.2	--	4.85 ± 2.92	
		4-11-61	Grab	--	--	--	--	2,400,000	--	
		4-3-62	Grab	--	--	1 -day - 11 2.67 -day - 34 5.16 - day- 57 7.21 -day - 71 10.29-day - 71 15.50-day - 78 20.58-day - 85 30.08-day -137	--	--	--	COD - 179 ppm Nitrogen ppm / ppm as N Org.N:NH4:NO2:NO3:Total -N 10 19.3 0.13 1.3 -- 10 15 0.04 0.3 25.34 Phosphate ppm / ppm as P Ortho-P : Total-P : Org.+ T -P 27 28 42 8.81 9.13 13.70
52	North-of-River Sanitary District	7-16-56	24	--	6	14	--	23,000 6,200,000 620,000	--	
		7-25-57	24	2.4	20	15	24	--	--	
		8-20-58	8	2.4	--	--	--	--	--	0.0 ± 0.37[e]; 7.09 ± 3.5[f]
		7-14-59	24	1.7	10	1.6	7.0	--	7.92 ± 3.30	
		4-11-61	Grab	--	--	--	--	600	--	
		8-30-61	Grab	--	139	11	3.7	94	7.6 ± 2.7	ABS - 3.6 ppm

e. Alpha
f. Beta

TABLE D -5 (Continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
52	North-of-River Sanitary District (continued)	4-6-62	Grab	--	--	5 -day - 19 20-day - 99 30-day - 107	--	- --	--	ABS - 3.6 ppm Nitrogen ppm / ppm as N Org.N:NH_4 :NO_2 :NO_3 :Total - N 4.1 9.4 2.37 45.6 -- 4.1 7.3 0.72 10.3 22.42 Phosphate ppm / ppm as P Ortho-P : Total-P :Org.+ T -P 43 43 73 14.03 14.03 23.81
53	City of Bakersfield Plant No. 1	7-17-56	24	--	2.3	71	--	62,000,000 23,000,000 62,000,000	--	
		7-24-57	--	--	59	91	52	--	--	
		8-20-58	8	1.9	--	--	--	--	--	
		4-15-59	24	3.0	62	95	27.2	--	5.39 ± 2.90	1.30 ± 0.55[e]; 4.18 ± 3.5[f]
		4-11-61	Grab	1.75	--	--	--	7,000,000 7,000,000	--	
		4-4-62	Grab	--	--	5.46 -day - 101 20.00 -day - 282 30.00 -day -	--	--	--	ABS - 1.4 ppm COD - 319 ppm Nitrogen ppm / ppm as N Org.N:NH_4 :NO_2 :NO_3:Total -N 11.3 27.8 0.00 0.0 -- 11.3 21.6 0.00 0.0 32.90 Phosphate ppm / ppm as P Ortho-P : Total-P :Org.+ T - P 31 37 63 10.11 12.07 20.55

e. Alpha
f. Beta

TABLE D - 5 (Continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
54	City of Bakersfield Plant No. 2	7-17-56	24	--	15	81	--	62,000,000 62,000,000 62,000,000	--	
		7-24-57	--	--	51	62	16	--	--	
		8-20-58	8	7.7	--	--	--	--	--	
		7-15-59	24	7.9	26	60	12.6	70,000,000 70,000,000 24,000,000	8.91 ± 3.10	0.00 ± 0.37[e]; 10.25 ± 0.37[f]
		8-30-61	Grab	--	32	46	14	2	10.8 ± 2.7	ABS - 4.9 ppm
55	Mt. Vernon County	7-16-56	24	--	15	27	--	62,000,000 2,300,000 2,300,000	--	
		7/25-26/57	24	3.9	36	35	117	--	--	
		8-20-58	8	5.6	--	--	--	--	--	
		7-13-59	24	5.3	19	24	11.3	--	10.50 ± 3.05	0.75 ± 0.58[e]; 10.14 ± 3.5[f]
		4-11-61	Grab	--	--	--	--	7,000,000 7,000,000	--	
		4-4-62	Grab	--	--	5.46-day - 103 20.00-day - 289 30.00-day -	--	--	--	ABS - 3.4 ppm COD - 283 ppm Nitrogen ppm / ppm as N Org.N; NH4 : NO2 : NO3 : Total - N 14.0 37.8 0.00 0.9 -- 14.0 29.4 0.00 0.2 43.60 Phosphate ppm / ppm as P Ortho-P : Total-P : Org.+T - P 59 59 72 19.25 19.25 23.49

e. Alpha
f. Beta

TABLE D-5 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

CENTRAL VALLEY REGION (NO. 5)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
56	City of Taft	7-17-56	24	--	156	88	--	62,000,000 6,200,000 230,000	--	
		7-24-57	24	0.6	100	96	18	--	--	
		8-20-58	8	0.8	--	--	--	--		0.0 ± 0.45[e]; 8.39 ± 3.5[f]
		7-13-59	8	0.9	47	49	19.0	--	0.00 ± 3.10	
		4-11-61	Grab	--	--	--	--	2,400,000	--	
		4-4-62	Grab	--	--	--	--	--	--	ABS - 7.3 ppm

Nitrogen ppm / ppm as N

Org.N	NH4	NO2	NO3	Total - N
9.3	37.0	0.00	0.9	--
9.3	28.0	0.00	0.2	38.30

Phosphate ppm / ppm as P

Ortho-P	Total-P	Org. + T - P
14	64	96
4.57	20.88	31.32

e. Alpha
f. Beta

TABLE D-6

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

LAHONTAN REGION (NO. 6)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
1	Susanville Consolidated Sanitary District	5- 4-59	8	0.6	46	24	9.0	600	0.15	
		4-27-61	--	--	44	113	20	2,300	8.6	
								1,300		
2	South Tahoe Public Utilities District	5- 5-59	4	0.3	94	151	17	6,200,000	--	
		4-27-61	24	--	5	--	6.0	62,000	--	
3	City of Bishop	7-31-58	16	0.9	38	66	60	24,000,000	0.68 ± 0.48[e]	
								620,000	11.7 ± 4.2[f]	
		6-30-60	8	1.0	47	139	40	--	10.0 ± 2.8[c]	
4	U. S. Naval Ordnance Test Station, China Lake	7-20-56	--	--	25	7	87	23,000	--	
		7-31-58	Grab	--	113	27	72	4,600	0.0 ± 0.3[e]	
								6,000	1.7 ± 3.9[f]	
		5-24-60	Grab	1.4	38	26	59	4,500	11.0 ± 1.4[c]	
								4,500	27.8 ± 2.4[d]	
5	Edwards Air Force Base	7-20-56	--	--	55	14	305	< 23,000	--	
		7-31-58	Grab	--	692	240	251	< 6,000	0.0 ± 0.24[e]	
								< 6,000	38.1 ± 4.8[f]	
		5-23-60	Grab	1.0	128	78	138	620,000	15.1 ± 1.2[c]	
								130,000	9.7 ± 0.9[d]	
6	Lancaster (Los Angeles County Sanitation District No. 14)	7-19-56	--	--	50	47	16	24,000,000	--	
								2,300,000		
								620,000		
		8- 2-58	Grab	2.8	898	158	188	7,000,000	0.17 ± 0.17[e]	
								2,400,000	19.8 ± 3.9[f]	
		5-23-60	Grab	2.5	300	60	54	46,000	3.2 ± 1.4[c]	
								12,000	21.5 ± 2.4[d]	
7	Palmdale (Los Angeles County Sanitation District No. 20)	7-19-56	Grab	--	115	48	53	< 2,300	--	
								23,000		
								620,000		
		8- 2-58	Grab	--	282	57	214	620,000	0.17 ± 0.38[e]	
								620,000	26.4 ± 4.5[f]	
		5-23-60	Grab	0.5	233	42	138	2,400,000	1.6 ± 0.9[c]	
								2,400,000	0.5 ± 0.9[d]	
8	Victorville Sanitary District	7-20-56	Grab	--	254	82	145	23,000	--	
								6,200,000		
								230,000		
		8- 1-58	Grab	--	268	208	230	> 7,000,000	0.0 ± 0.24[e]	
								> 7,000,000	9.3 ± 4.1[f]	
		5-24-60	Grab	--	62	103	11	> 7,000,000	0.0 ± 1.4[c]	
								> 7,000,000	1.2 ± 1.0[d]	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-6 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

LAHONTAN REGION (NO. 6)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
9	City of Barstow	7-20-56	--	--	81	24	--	2,300,000 2,300,000 620,000	--	
		8- 1-58	Grab	--	192	58	16	6,200 2,300	0.0 ± 0.24[c] 12.0 ± 4.1[f]	
		5-24-60	Grab	1.0	30	82	7.4	7,000,000 7,000,000	9.3 ± 1.5[c] 3.4 ± 1.1[d]	
		4-17-61	Grab	--	--	--	20	--	1.1 ± 0.5[c] 2.7 ± 0.8[d]	
10	U. S. Marine Corps Supply Center, Nebo Plant	5-24-60	Grab	0.5	94	26	1	46,000 4,500	7.2 ± 2.1[c] 62.1 ± 0.9[d]	
		4-17-61	Grab	--	--	--	18	--	23.4 ± 2.2[c] 8.4 ± 0.9[d]	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-7

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

COLORADO RIVER BASIN REGION (NO. 7)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml)	Gross radioactivity (μμc/l)	Remarks
1	City of Banning	7-25-58	Grab	--	83	63	18	> 700,000 > 700,000	0.0 ± 0.30[e] 1.4 ± 3.5[f]	Oxidation lagoon
		5-25-60	Grab	1.0	98	186	35	> 7,000,000 > 7,000,000	0 ± 1.1[c] 2.8 ± 1.4[d]	Influent to oxidation lagoon
2	Coachella Sanitary District	5-25-60	Grab	0.3	78	63	14	> 7,000,000 > 7,000,000	4.1 ± 1.5[c] 10.0 ± 2.1[d]	
3	Indio Sanitary District	7-23-56	Grab	--	78	14	15	700,000,000 24,000,000 2,100,000	--	
		7-22-58	24	--	27	26	8	130,000	0.68 ± 0.48[e] 14.2 ± 4.2[f]	
		5-25-60	Grab	1.3	75	38	5	62,000 6,000	2.8 ± 1.1[c] 11.4 ± 2.3[d]	
4	City of Palm Springs	7-23-56	Grab	--	122*	38	4	2,300 2,300 2,300	--	*High algae content
		7-25-58	Grab	--	48	24	11	50,000 23,000	0.50 ± 0.30[e] 9.1 ± 3.6[f]	
		5-25-60	Grab	0.8	39	36	34	7,000,000 62,000	0.4 ± 0.9[c] 1.2 ± 0.8[d]	
5	U. S. Marine Corps Training Center, Twentynine Palms	7-23-56	Grab	--	51	18	0.2	13,000 < 23,000 < 23,000	--	
		7-25-58	Grab	--	59	32	18	240,000 62,000	0.17 ± 0.17[e] 7.2 ± 3.6[f]	
		5-26-60	Grab	1.1	38	24	76	230,000 620,000	3.2 ± 1.2[c] 15.2 ± 1.2[d]	
6	City of Brawley	7-26-56	24	--	27	24	13	13,000,000 6,200,000 62,000,000	--	
		7-22-58	24	--	315	47	50	--	1.2 ± 0.54[e] 2.6 ± 3.8[f]	
		6- 9-60	Grab	1.5	136	138	27	> 7,000,000 > 7,000,000	8.7 ± 1.2[c] 2.5 ± 1.2[d]	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-7 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

COLORADO RIVER BASIN REGION (NO. 7)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100mL)	Gross radioactivity (μμc/l)	Remarks
7	City of El Centro	7-26-56	24	--	100	98	7	13,000,000 23,000,000 620,000	--	
		7-21-58	24	3.8	145	169	148	--	0.0 ± 0.30[e] 11.4 ± 3.7[f]	
		11-27-59	Grab	1.7	60	37	--	240,000 24,000	--	
		6- 9-60	Grab	2.5	85	27	60	62,000 620,000	3.2 ± 0.9[c] 11.2 ± 1.4[d]	
8	City of Holtville	7-25-56	24	0.6	44	14	12	23,000,000 6,200,000 6,200,000	--	
		7-22-58	16	0.9	54	21	12	60,000 620,000	0.17 ± 0.38[e] 8.3 ± 4.1[f]	
		6- 9-60	Grab	0.4	32	9	8.0	500,000 620,000	7.8 ± 1.2[c] 95.3 ± 2.4[d]	
9	City of Needles	7-22-56	--	--	23	40	4	6,200,000	--	
		8- 1-58	Grab	--	35	31	61	230,000 23,000	0.0 ± 0.17[c] 12.3 ± 3.8[f]	
		5-17-60	Grab	0.7	67	22	45	62,000 23,000	--	
10	City of Blythe	7-22-56	--	--	45	44	5	62,000,000	--	
		8- 1-58	Grab	--	164	29	54	7,000,000 620,000	0.0 ± 0.34[e] 4.3 ± 3.6[f]	
		5-18-60	Grab	0.9	28	74	53	>7,000,000 >7,000,000	--	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-8

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SANTA ANA REGION (NO. 8)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
1	City of Chino Plant No. 1									Unavailable
2	City of Chino Plant No. 2									Unavailable
3	City of Colton	8-10-56	24	--	9	12	10	620,000	--	
								6,200,000		
								2,300,000		
		7-29-58	24	1.9	8	11	20	< 6,000	0.0 ± 0.17[e]	
								< 6,000	14.5 ± 4.2[f]	
		6-30-60	--	2.2	7	6	9	< 4,500	3.7 ± 1.0[c]	
								< 4,500	6.8 ± 1.7[d]	
4	City of Corona	8-11-56	--	--	40	4	13	23,000	--	
								60,000		
								60,000		
		7-29-58	Grab	0.8	12	19	52	21,000	0.17 ± 0.30[e]	
								62,000	15.4 ± 3.8[f]	
		6-28-60	Grab	0.9	50	17	0.4	23,000	7.9 ± 1.8[c]	
								6,000	5.7 ± 1.7[d]	
5	U. S. Marine Corps Air Station El Toro	8-8-56	24	--	13	22	3	2,300,000	--	
								2,300,000		
								1,300,000		
		7-7-58	24	0.7	11	5	14	230,000	--	
								2,400,000		
								620,000		
		6-28-60	24	0.9	30	7	0.8	62,000	5.5 ± 1.7[c]	
								< 4,500	0.7 ± 1.4[d]	
6	City of Fontana	4-30-58	24	0.4	75	118	--	--	--	
		6-30-60	Grab	0.8	27	78	12	>7,000,000	1.8 ± 1.1[c]	
								>7,000,000	12.1 ± 1.9[d]	
7	Kaiser Steel Corporation Fontana									Unavailable
8	March Air Force Base Main Plant	8-9-56	--	--	128	5	2	2,300,000	--	
								2,400,000		
								2,300,000		
		7-24-58	Grab	--	78	37	6.5	2,400,000	0.0 ± 0.24[e]	
								500,000	13.5 ± 3.8[f]	
		6-29-60	21	0.6	12	16	16	< 4,500	2.0 ± 1.0[c]	
								< 4,500		

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-8 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SANTA ANA REGION (NO. 8)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
9	March Air Force Base West Plant	8-9-56	--	--	1	1.1	3	23,000	--	
		7-24-58	Grab	--	105	22	--	230,000	0.0 ± 0.17[e]	
								620,000	13.5 ± 3.8[f]	
		6-30-60	6	0.3	11	6	9.2	620,000	2.2 ± 0.9[c]	
								620,000	5.1 ± 1.1[d]	
10	County Sanitation District of Orange County Plant No. 1	6-56	--	--	145	192	--	--	--	Average for month
		6-29-60	--	--	--	--	--	--	3.4 ± 1.1[c]	
		7-5-60	24	3.2	159	170	42	>7,000,000	--	
								>7,000,000		
11	County Sanitation Districts of Orange County Plant No. 2	6-29-60	--	--	--	--	--	--	2.7 ± 1.5[c]	
		7-5-60	24	25.6	106	160	36	>7,000,000	--	
								>7,000,000		
12	Cities of Ontario-Upland	8-9-56	24	--	25	17	16	62,000,000	--	
								62,000,000		
								1,300,000		
		7-27-58	24	4.9	34	59	18	6,200,000	0.33 ± 0.24[e]	
								6,200,000	5.5 ± 3.6[f]	
		8-1-60	24	7.4	37	34	30	> 700,000	17.5 ± 3.8[c]	
								> 700,000		
13	City of Redlands	8-11-56	24	--	106	54	4	23,000,000	--	
								620,000		
								62,000,000		
		7-29-58	Grab	1.8	106	55	70	2,400,000	0.0 ± 0.30[e]	
								230,000	9.7 ± 3.7[f]	
		5-25-60	Grab	2.0	112	118	18	>7,000,000	2.8 ± 2.1[c]	
								7,000,000	14.2 ± 0.8[d]	
14	City of Rialto	7-28-58	Grab	0.8	109	60	11	23,000	0.17 ± 0.17[e]	
								6,200	15.7 ± 3.8[f]	
		6-30-60	Grab	0.7	32	15	3	4,600	1.7 ± 1.0[c]	
								50,000	7.4 ± 1.7[d]	
15	City of Riverside Plant No. 1	8-11-56	--	--	345	10	8	60,000	--	
								230,000		
								230,000		
		8-13-56	--	--	25	6	7	2,900	--	
								62,000		
								2,100		
		7-25-58	Grab	7.3	33	7	7	620	0.3 ± 0.24[e]	
								2,300	10.8 ± 3.7[f]	
		6-28-60	Grab	--	14	15	3	13,000	4.6 ± 1.7[c]	
								6,000	4.8 ± 1.4[d]	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-8 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SANTA ANA REGION (NO. 8)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
16	City of Riverside Plant No. 2	6-28-60	--	0.6	31	48	15	>7,000,000 >7,000,000	14.9 ± 1.5[c] 11.5 ± 1.8[d]	
17	City of San Bernardino Plant No. 1	8-10-56	24	9.7	7	7	10	< 23,000 60,000 < 23,000	--	
		7-25-58	24	10.4	33	7	18	< 60 < 60	0.17 ± 0.17[e] 2.6 ± 3.5[f]	
		6-29-60	24	7.8	15	19	10	4,500 4,500	19.2 ± 1.4[c] 0.5 ± 1.1[d]	
18	City of San Bernardino Plant No. 2	6-29-60	24	4.3	5	11	5.4	6,000 >7,000,000	6.0 ± 1.2[c] 2.3 ± 1.2[d]	
19	City of Seal Beach	6-2-59 6-28-60	1 24	0.5 0.5	65 20	-- 14	-- 0.2	-- < 4,500 < 4,500	-- 1.6 ± 0.9[c] 3.8 ± 1.2[d]	
20	Talbert Water District									Unavailable

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-9

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN DIEGO REGION (NO. 9)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
1	City of Laguna Beach	8-8-56	24	1.3	7.0	5.0	7	6,200,000 2,300,000 2,300,000	--	
		7-7-58	24	1.5	42	68	--	620,000 2,400,000 500,000	--	
		6-28-60	Grab	1.9	47	126	45	7,000,000 7,000,000	8.2 ± 2.0[c] 12.1 ± 2.1[d]	
2	City of San Clemente	8-6-56	24	1.1	29	32	10	23,000 6,200 23	--	
		7-16-58	24	0.8	8	12	23	700,000 240,000	1.36 ± 0.54[e] 18.7 ± 4.3[f]	
		6-28-60	24	0.8	31	13	0.2	2,400,000 6,000	3.8 ± 1.1[c] 2.3 ± 1.1[d]	
3	Camp Joseph H. Pendleton Plant No. 1	7-30-56	Grab	--	15	1.0	3	2,300 2,300 6,000	--	
		7-18-58	Grab	0.8	48	33	17	2,400 60	0.33 ± 0.24[e] 14.3 ± 3.5[f]	
		6-28-60	24	0.7	7	9	4	4,500 4,500	4.6 ± 1.7[c] 2.1 ± 1.5[d]	
4	Camp Joseph H. Pendleton Plant No. 2	7-30-56	Grab	--	17	2	1	2,300 2,300 2,300	--	
		6-28-60	24	0.6	6	5	5	4,500 4,500	--	
5	Camp Joseph H. Pendleton Plant No. 3	7-30-56	Grab	--	68	24	7	6,000 6,000 6,000	--	
		7-18-58	Grab	0.5	60	50	46	70,000 62,000 7,000,000	0.17 ± 0.24[e] 3.1 ± 4.0[f]	
		6-27-60	24	0.6	13	32	9	2,400,000 7,000,000	5.2 ± 1.5[c] 17.2 ± 2.9[d]	
6	City of Oceanside	8-6-56	24	1.9	77	92	6	50,000,000 62,000,000 62,000,000	--	
		7-17-58	24	1.9	72	124	20	24,000,000 24,000,000 24,000,000	0.0 ± 0.30[e] 16.0 ± 4.2[f]	
		10-6-59	Grab	--	--	--	--	23,000 62,000	8.3 ± 0.9	Whelan Lake
		6-27-60	Grab	2.0	33	44	3	620,000 2,400,000	--	Whelan Lake

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-9 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN DIEGO REGION (NO. 9)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml)	Gross radioactivity (μμc/l)	Remarks
7	City of Carlsbad	6-19-59	--	--	38	--	--	--	12.4 ± 1.0[c] 10.7 ± 0.9[d]	
		6-20-60	Grab	0.2	47	75	8	1,300,000 1,300,000	5.8 ± 2.8[c] 38.0 ± 0.9[d]	
8	Vista Sanitation District	7-18-58	24	--	56	77	17	6,200,000 1,300,000	0.17 ± 0.17[e] 7.3 ± 4.1[f]	
		6-27-60	Grab	0.9	105	45	11	2,400,000 2,400,000	0.4 ± 0.9[e] 3.1 ± 1.0[f]	
9	City of Escondido Plant No. 1	8- 1-56	24	0.8	34	17	--	< 23,000 < 23,000 60,000	--	
		7-16-58	24	1.1	21	26	25	29,000 23,000 62,000	0.17 ± 0.17[e] 12.7 ± 4.2[f] --	
		6-22-60	24	1.0	45	28	15	6,000 < 4,500	6.7 ± 1.4[c] 0 ± 0.9[d]	
10	City of Escondido Plant No. 2	6-28-60	24	--	10	10	2	< 4,500 < 4,500	4.7 ± 1.8[c] 9.4 ± 3.2[d]	
11	Santee County Water District	6-21-60	Grab	0.6	8	2	7	< 4,500 < 4,500	21 ± 3.2[c] 81.7 ± 0.8[d]	
12	City of El Cajon	8- 1-56	24	0.9	0	1.5	--	< 2,300 < 2,300 < 2,300	-- -- --	
		9-24-57	24	--	36	40	--	1,300	--	
		7-17-58	24	1.8	10	49	13	700,000 700,000 700,000	0.0 ± 0.17[e] 14.5 ± 4.2[f]	
		6-21-60	24	2.0	11	3	0.6	6,000 < 4,500	5.3 ± 1.2[c] 8.2 ± 2.0[d]	
13	City of Coronado "B" Street	8- 3-56	24	--	110	101	10	620,000 6,200 < 230	-- -- --	
		7-17-58	24	1.3	95	122	55	600,000 24,000,000 < 600,000	-- -- --	
		6-20-60	Grab	1.0	0.4	6	4	4,500	2.3 ± 1.5[c] 16.1 ± 1.4[d]	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-9 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN DIEGO REGION (NO. 9)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml)	Gross radioactivity (μμc/l)	Remarks
14	City of Coronado "K" Street	8- 3-56	24	--	209	136	7	70,000,000 23,000 230	--	
		7-17-58	24	--	130	152	92	60,000 62,000,000 6,200,000	--	
		6-20-60	Grab	1.0	2.4	6	0.2	4,500	2.7 ± 1.2[c] 5.7 ± 1.3[d]	
15	City of San Diego Balboa Trunk	8- 2-56	24	1.4	250	260	--	23,000,000 23,000,000 6,200,000	--	
		7- 9-58	7 days	--	--	--	--	--	0.14 ± 0.14[e] 11.8 ± 3.7[f]	
		7-12-58	24	1.6	256	333	--	--	--	
		6-22-60	Grab	1.0	203	174	31	7,000,000 7,000,000	4.8 ± 2.5[c] 10.4 ± 1.1[d]	
	City of San Diego Cabrillo Trunk	7- 9-58	7 days	--	--	--	--	--	0.28 ± 0.20[e] 14.4 ± 3.8[f]	
		7-14-58	24	0.5	246	256	--	--	--	
	City of San Diego East San Diego Trunk	8- 2-56	24	--	571	275	--	240,000,000 62,000,000 2,300,000	--	
		7- 9-58	7 days	--	--	--	--	--	0.28 ± 0.28[e] 12.7 ± 3.7[f]	
		7-11-58	24	6.5	345	253	--	--	--	
		6-22-60	Grab	9.0	440	236	44	7,000,000 7,000,000	2.8 ± 1.4[c] 34.1 ± 3.1[d]	
	City of San Diego Encanto Trunk	7- 9-58	7 days	--	--	--	--	--	0.42 ± 0.37[e] 12.7 ± 3.7[f]	
		7-10-58	24	1.6	491	344	--	--	--	
	City of San Diego La Jolla Trunk	7- 9-58	7 days	--	--	--	--	--	0.0 ± 0.28[e] 15.0 ± 3.8[f]	
		7-9 -58	24	2.5	235	188	--	--	--	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

TABLE D-9 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN DIEGO REGION (NO. 9)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
15	City of San Diego (continued) Linda Vista Trunk	7- 9-58	7 days	--	--	--	--	--	0.0 ± 0.25[e] 16.5 ± 3.8[f]	
		7- 9-58	24	0.9	294	226	--	--	--	
	City of San Diego Mission Valley Trunk	8- 2-56	24	2.7	297	244	--	240,000,000 62,000,000 23,000,000	--	
		7- 9-58	7 days	--	--	--	--	--	0.14 ± 0.24[e] 7.5 ± 3.6[f]	
		7-14-58	24	2.5	290	172	--	--	--	
		6-22-60	Grab	2.9	260	235	75	< 7,000,000 < 7,000,000	4.2 ± 2.0[c] 30.1 ± 0.8[d]	
	City of San Diego Murray Canyon Trunk	7- 9-58	7 days	--	--	--	--	--	0.14 ± 0.31[e] 9.1 ± 3.7[f]	
		7-10-58	24	1.2	249	240	--	--	--	
	City of San Diego National City Trunk	7-15-58	24	1.5	298	290	--	--	--	
	City of San Diego Rose Canyon Trunk	7- 9-58	7 days	--	--	--	--	--	0.0 ± 0.28[e] 6.7 ± 3.6[f]	
		7-11-58	24	0.4	269	178	--	--	--	
16	Spring Valley Sanitation District	7-15-58	24	0.6	--	--	70	--	--	
		6-21-60	Grab	0.7	20	5	11	4,500 4,500	7.9 ± 0.9[c] 19.2 ± 2.1[d]	
17	City of Chula Vista "G" Street	8- 1-56	24	--	48	61	--	62,000,000 62,000,000 2,300,000	--	
		7-22-58	24	0.6	--	--	--	--	0.18 ± 0.31[e] 14.2 ± 3.8[f]	
		6-20-60	24	0.6	95	140	40	7,000,000 7,000,000	12.1 ± 1.2 11.2 ± 1.1	
18	City of Chula Vista "J" Street	7-31-56	24	1.7	78	136	--	62,000,000 62,000,000 50,000,000	--	
		7-22-58	24	1.8	--	--	--	--	0.53 ± 0.39[e] 12.4 ± 3.8[f]	
		6-20-60	24	2.1	115	172	33	7,000,000 7,000,000	40.2 ± 0.9[c] 11.4 ± 2.4[d]	
19	Palm City Sanitation District	6-17-59	--	--	--	--	--	--	9.6 ± 0.9[e] 9.1 ± 0.9[f]	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

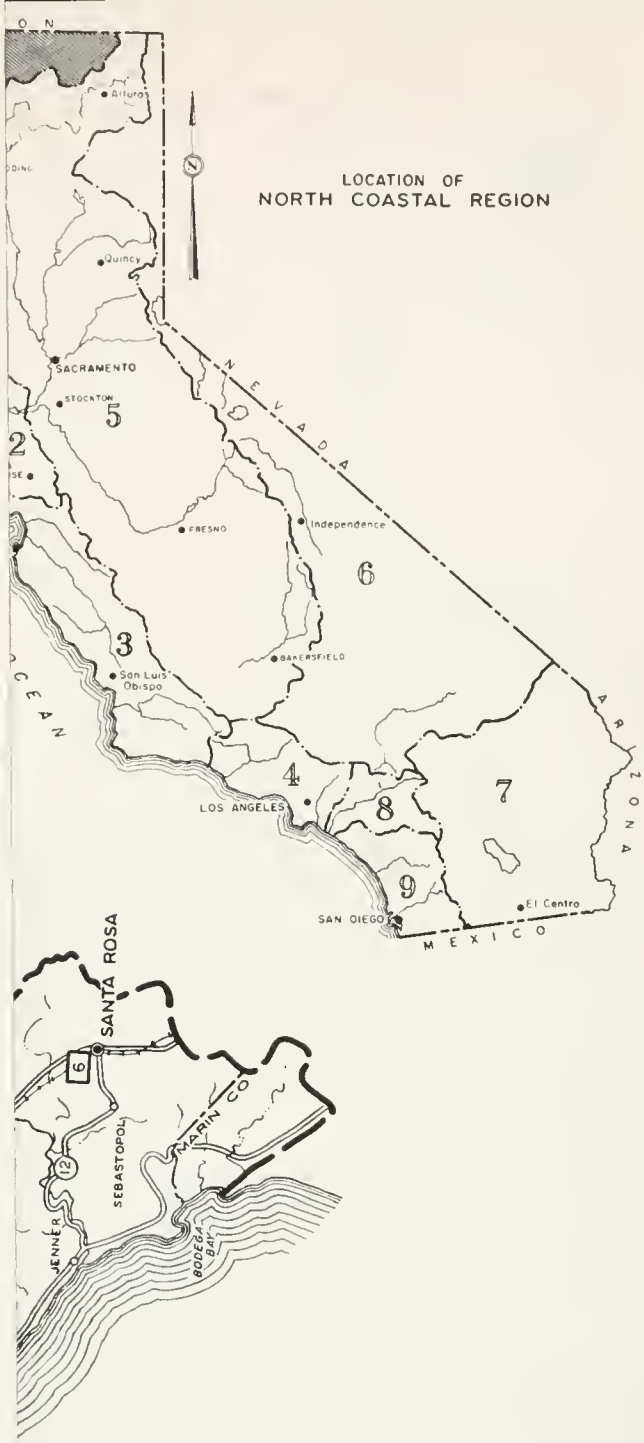
TABLE D-9 (continued)

SANITARY AND RADIOLOGICAL ANALYSES OF WASTE WATERS

SAN DIEGO REGION (NO. 9)

Number	Agency	Date sampled	Hours composited	Discharge in million gallons per day	Suspended solids (ppm)	Biochemical oxygen demand 5-day 20° C (ppm)	Ether soluble material (ppm)	Coliform (mpn/100ml.)	Gross radioactivity (μμc/l)	Remarks
19	Palm City Sanitation District (continued)	6-21-60	Grab	1.0	62	20	12	23,000 20,000	9.2 ± 1.9[c] 8.7 ± 1.8[d]	
20	City of Imperial Beach	7-30-56	24	--	24	19	--	2,300,000 620,000 620,000	--	
		6-16-59	--	--	--	--	--	--	11.0 ± 0.9[c] 11.8 ± 1.0[d]	
		6-20-60	Grab	0.7	75	83	72	7,000,000	7.6 ± 1.4[c] 0 ± 1.0[d]	
21	International Boundary & Water Commission	8- 6-56	24	--	232	138	6	62,000,000 230,000 23,000	--	
		7-16-58	24	--	143	176	46	--	0.0 ± 0.30[e] 13.8 ± 4.2[f]	Sampled at Manhole #38
		6-22-60	Grab	4.6	213	213	34	230,000 7,000,000	7.2 ± 2.4[c] 21.2 ± 0.9[d]	

c. Filtrate
d. Sludge
e. Alpha
f. Beta

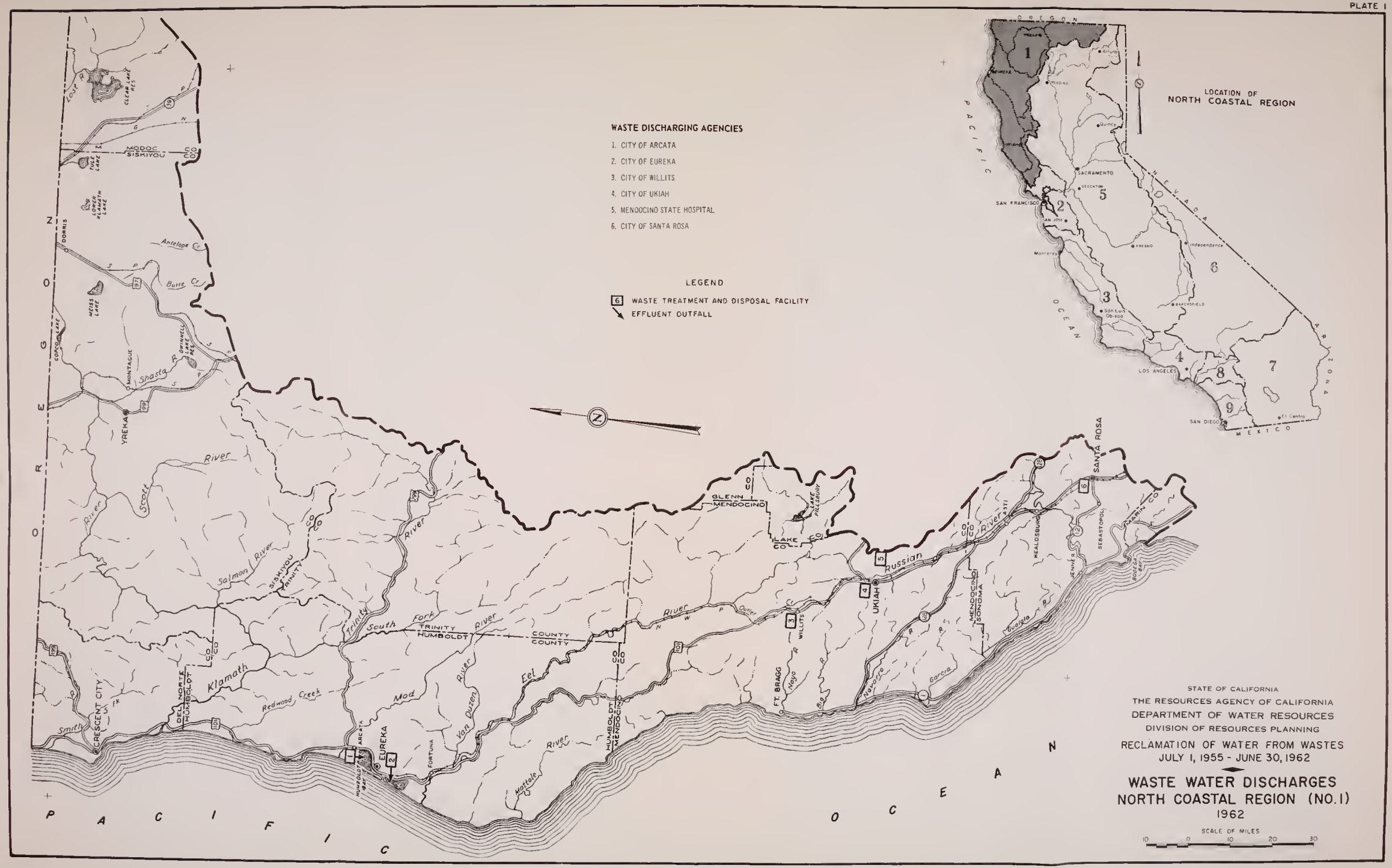


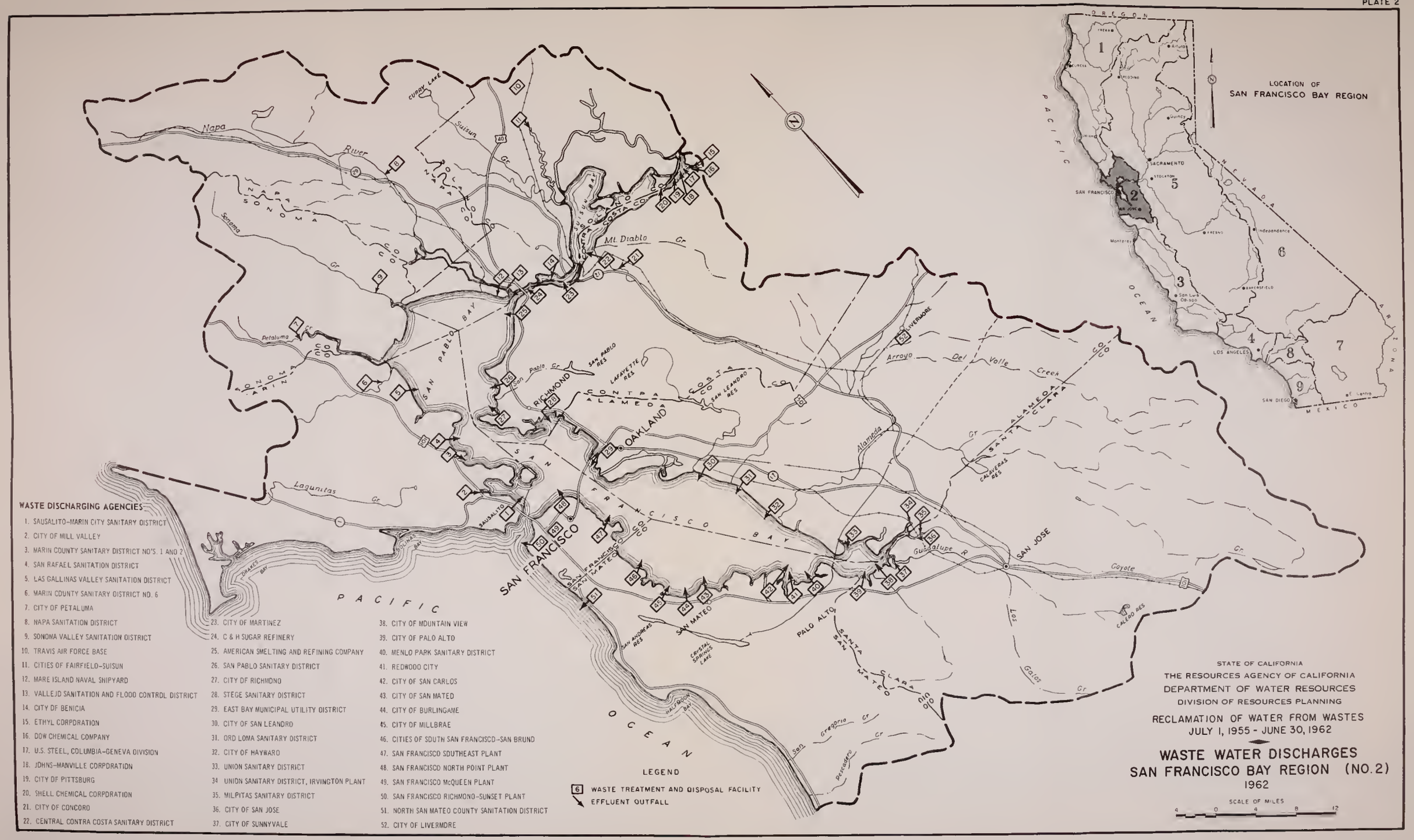
STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING

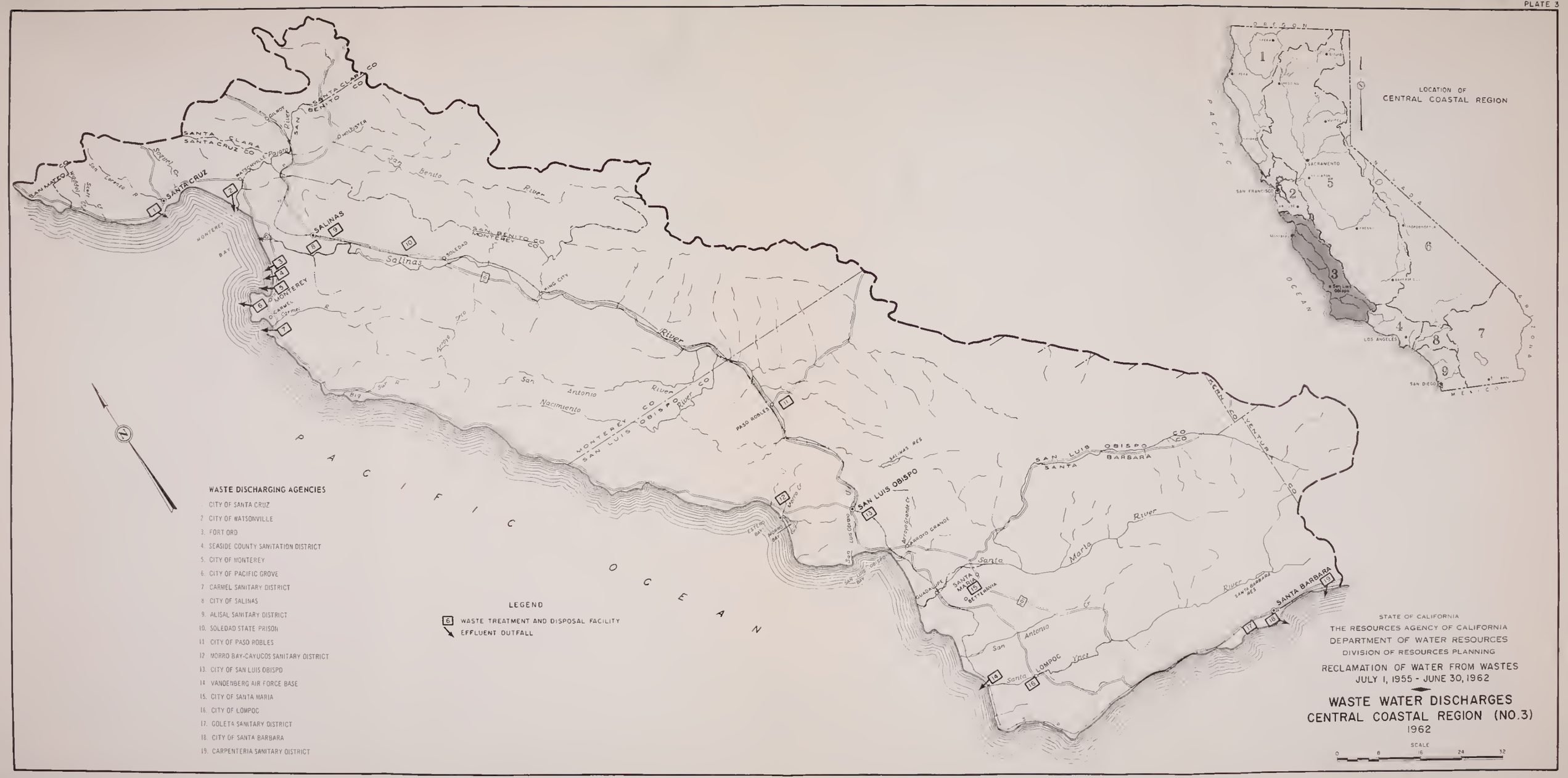
RECLAMATION OF WATER FROM WASTES
JULY 1, 1955 - JUNE 30, 1962

WASTE WATER DISCHARGES
NORTH COASTAL REGION (NO. 1)
1962

SCALE OF MILES
10 0 10 20 30

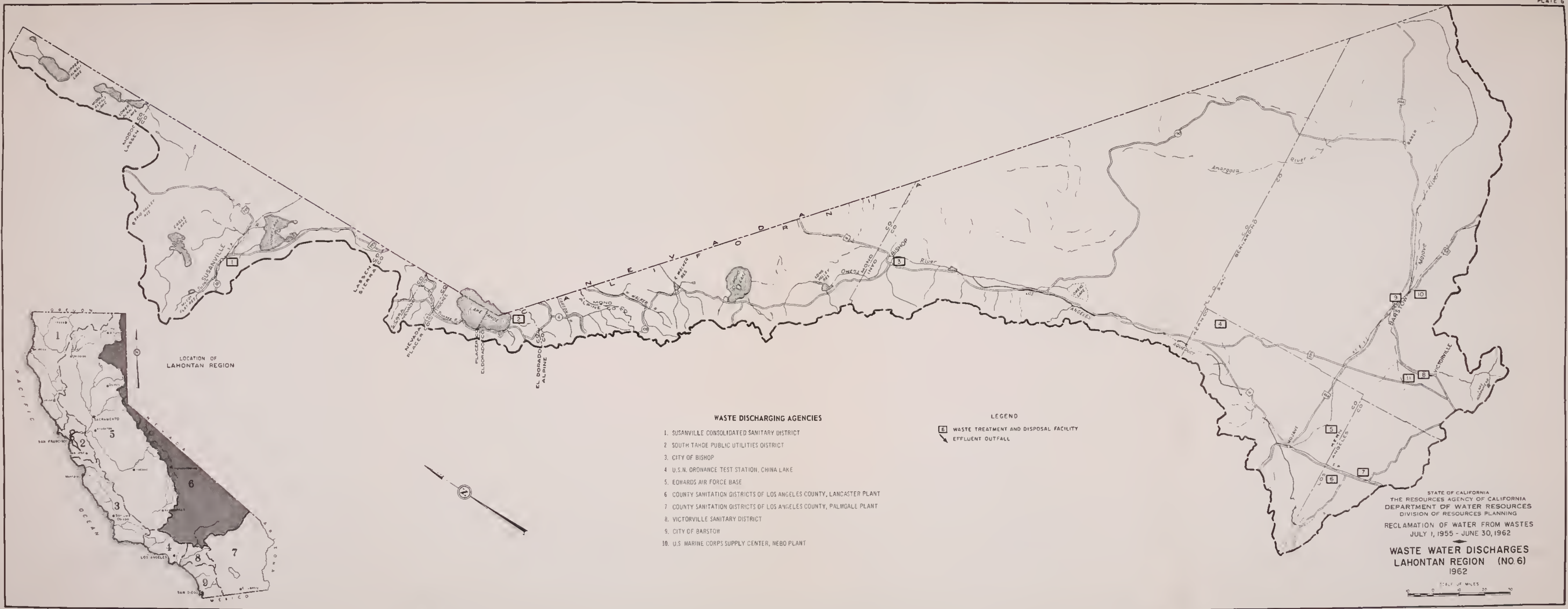

WASTE DISCHARGING AGENCIES
1. CITY OF ARCATA
2. CITY OF EUREKA
3. CITY OF WILLITS
4. CITY OF UKIAH
5. MENDOCINO STATE HOSPITAL
6. CITY OF SANTA ROSA
LEGEND
WASTE TREATMENT AND DISPOSAL FACILITY
EFFLUENT OUTFALL
LOCATION OF NORTH COASTAL REGION
OREGON
NEVADA
ARIZONA
MEXICO
PACIFIC OCEAN
SACRAMENTO
STOCKTON
SAN FRANCISCO
SAN JOSE
Monterey
FRESNO
Independence
BAKERSFIELD
San Luis Obispo
LOS ANGELES
SAN DIEGO
El Centro
Quincy
Redding
Alturas
MODOC CO
SISKIYOU CO
DORRIS
MONTAGUE
YREKA
Shasta R
Antelope Cr
Butte Cr
Scott River
Salmon River
SISKIYOU CO
TRINITY CO
Trinity River
South Fork Trinity River
HUMBOLDT COUNTY
TRINITY COUNTY
Klamath
DEL NORTE CO
HUMBOLDT CO
CRESCENT CITY
Smith
Redwood Creek
Mad River
Van Duzen River
Eel River
Mattole River
ARCATA
EUREKA
FORTUNA
HUMBOLDT CO
MENDOCINO CO
GLENN CO
MENDOCINO CO
LAKE CO
LAKE PILLSBURY
WILLITS
Outlet Cr
Ft. Bragg
Noyo R
Big R
UKIAH
Russian River
Navarro R
Garcia R
MENDOCINO CO
SONOMA CO
Gualala R
HEALDSBURG
JENNER
SEBASTOPOL
SANTA ROSA
MARIN CO
BODEGA BAY
PACIFIC OCEAN
STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING
RECLAMATION OF WATER FROM WASTES
JULY 1, 1955 - JUNE 30, 1962
WASTE WATER DISCHARGES
NORTH COASTAL REGION (NO. I)
1962
SCALE OF MILES
10 0 10 20 30


LOCATION OF
SAN FRANCISCO BAY REGION
OREGON
NEVADA
ARIZONA
MEXICO
PACIFIC OCEAN
SAN FRANCISCO
SAN JOSE
OAKLAND
RICHMOND
SAN PABLO BAY
SAN FRANCISCO BAY
Napa River
Suisun Cr
Sonoma Cr
Petaluma
Lagunitas Cr
San Pablo Cr
Mt. Diablo Cr
Arroyo Del Valle Creek
Alameda Cr
Guadalupe R
Coyote Cr
Los Gatos Cr
San Gregorio Cr
Pescadero Cr
SAN PABLO RES
LAFAYETTE RES
SAN LEANDRO RES
CALAVERAS RES
CALERO RES
SAN ANDREAS RES
CRYSTAL SPRINGS LAKE
HALFMOON BAY
DRAKES BAY
BODEGA BAY
SAUSALITO
PALO ALTO
SAN MATEO
LIVERMORE
WASTE DISCHARGING AGENCIES
1. SAUSALITO-MARIN CITY SANITARY DISTRICT
2. CITY OF MILL VALLEY
3. MARIN COUNTY SANITARY DISTRICT NO'S. 1 AND 2
4. SAN RAFAEL SANITATION DISTRICT
5. LAS GALLINAS VALLEY SANITATION DISTRICT
6. MARIN COUNTY SANITARY DISTRICT NO. 6
7. CITY OF PETALUMA
8. NAPA SANITATION DISTRICT
9. SONOMA VALLEY SANITATION DISTRICT
10. TRAVIS AIR FORCE BASE
11. CITIES OF FAIRFIELD-SUISUN
12. MARE ISLAND NAVAL SHIPYARD
13. VALLEJO SANITATION AND FLOOD CONTROL DISTRICT
14. CITY OF BENICIA
15. ETHYL CORPORATION
16. DOW CHEMICAL COMPANY
17. U.S. STEEL, COLUMBIA-GENEVA DIVISION
18. JOHNS-MANVILLE CORPORATION
19. CITY OF PITTSBURG
20. SHELL CHEMICAL CORPORATION
21. CITY OF CONCORD
22. CENTRAL CONTRA COSTA SANITARY DISTRICT
23. CITY OF MARTINEZ
24. C & H SUGAR REFINERY
25. AMERICAN SMELTING AND REFINING COMPANY
26. SAN PABLO SANITARY DISTRICT
27. CITY OF RICHMOND
28. STEGE SANITARY DISTRICT
29. EAST BAY MUNICIPAL UTILITY DISTRICT
30. CITY OF SAN LEANDRO
31. ORO LOMA SANITARY DISTRICT
32. CITY OF HAYWARD
33. UNION SANITARY DISTRICT
34. UNION SANITARY DISTRICT, IRVINGTON PLANT
35. MILPITAS SANITARY DISTRICT
36. CITY OF SAN JOSE
37. CITY OF SUNNYVALE
38. CITY OF MOUNTAIN VIEW
39. CITY OF PALO ALTO
40. MENLO PARK SANITARY DISTRICT
41. REDWOOD CITY
42. CITY OF SAN CARLOS
43. CITY OF SAN MATEO
44. CITY OF BURLINGAME
45. CITY OF MILLBRAE
46. CITIES OF SOUTH SAN FRANCISCO-SAN BRUNO
47. SAN FRANCISCO SOUTHEAST PLANT
48. SAN FRANCISCO NORTH POINT PLANT
49. SAN FRANCISCO McQUEEN PLANT
50. SAN FRANCISCO RICHMOND-SUNSET PLANT
51. NORTH SAN MATEO COUNTY SANITATION DISTRICT
52. CITY OF LIVERMORE
LEGEND
6 WASTE TREATMENT AND DISPOSAL FACILITY
EFFLUENT OUTFALL
STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING
RECLAMATION OF WATER FROM WASTES
JULY 1, 1955 - JUNE 30, 1962
WASTE WATER DISCHARGES
SAN FRANCISCO BAY REGION (NO. 2)
1962
SCALE OF MILES
4 0 4 8 12


LOCATION OF
CENTRAL COASTAL REGION
OREGON
NEVADA
ARIZONA
MEXICO
PACIFIC OCEAN
SACRAMENTO
SAN FRANCISCO
LOS ANGELES
SAN DIEGO
SAN LUIS OBISPO
SANTA CRUZ
SANTA CLARA CO
SANTA CRUZ CO
SAN BENITO CO
MONTEREY CO
SAN LUIS OBISPO CO
SANTA BARBARA CO
VENTURA CO
SALINAS
MONTEREY
CARMEL
WATSONVILLE
SOLEDAD
KING CITY
PASO ROBLES
SAN LUIS OBISPO
SANTA MARIA
BETTERAVIA
LOMPOC
SANTA BARBARA
Salinas River
San Antonio River
Nacimiento River
Santa Maria River
San Antonio River
Santa Ynez River
MONTEREY BAY
ESTERO BAY
MORRO BAY
SAN LUIS BAY
SALINAS RES
SANTA BARBARA RES
ARROYO GRANDE
GUADALUPE
WASTE DISCHARGING AGENCIES
1. CITY OF SANTA CRUZ
2. CITY OF WATSONVILLE
3. FORT ORD
4. SEASIDE COUNTY SANITATION DISTRICT
5. CITY OF MONTEREY
6. CITY OF PACIFIC GROVE
7. CARMEL SANITARY DISTRICT
8. CITY OF SALINAS
9. ALISAL SANITARY DISTRICT
10. SOLEDAD STATE PRISON
11. CITY OF PASO ROBLES
12. MORRO BAY-CAYUCOS SANITARY DISTRICT
13. CITY OF SAN LUIS OBISPO
14. VANDENBERG AIR FORCE BASE
15. CITY OF SANTA MARIA
16. CITY OF LOMPOC
17. GOLETA SANITARY DISTRICT
18. CITY OF SANTA BARBARA
19. CARPENTERIA SANITARY DISTRICT
LEGEND
WASTE TREATMENT AND DISPOSAL FACILITY
EFFLUENT OUTFALL
STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING
RECLAMATION OF WATER FROM WASTES
JULY 1, 1955 - JUNE 30, 1962
WASTE WATER DISCHARGES
CENTRAL COASTAL REGION (NO.3)
1962
SCALE
0 8 16 24 32

LOCATION OF
LOS ANGELES REGION
WASTE DISCHARGING AGENCIES
1 CITY OF OJAI
2. CITY OF SANTA PAULA
3. CITY OF VENTURA, SEASIDE PLANT
4 CITY OF VENTURA, EASTSIDE PLANT
5. CITY OF OXNARD
6. PORT HUENEME SANITARY DISTRICT
7. PORT HUENEME, U.S NAVY CONSTRUCTION BATTALION CENTER
8. CAMARILLO SANITARY DISTRICT
9. CITY OF LOS ANGELES, HYPERION PLANT
10. CITY OF LOS ANGELES, TERMINAL ISLAND PLANT
11. COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY, JOINT DISPOSAL PLANT
12. COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY, LUCKY LAGER PLANT
13. COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY, AZUSA PLANT
14. COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY, POMONA PLANT
STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING
RECLAMATION OF WATER FROM WASTES
JULY 1, 1955 - JUNE 30, 1962
WASTE WATER DISCHARGES
LOS ANGELES REGION (NO.4)
1962
SCALE OF MILES
LEGEND
WASTE TREATMENT AND DISPOSAL FACILITY
EFFLUENT OUTFALL
KERN CO
SANTA BARBARA CO
VENTURA CO
LOS ANGELES CO
VENTURA
SANTA PAULA
FILLMORE
PIRU
MATILIJA RES
MOORPARK
SIMI
OXNARD
PORT HUENEME
SAN FERNANDO RES
SAN FERNANDO
NANSEN BASIN
SEPULVEDA BASIN
BURBANK
PASADENA
SANTA FE BASIN
AZUSA
POMONA
WHITTIER
LOS ANGELES
BEVERLY HILLS
SANTA MONICA
REDONDO BEACH
LONG BEACH
ORANGE
SAN PEDRO BAY
BOUQUET RES
SAN GABRIEL RES DAM NO 2
SAN GABRIEL RES DAM NO 1
MORRIS RES
Santa Clara River
Los Angeles River
Los Angeles Aqueduct
Pacific Ocean
OREGON
NEVADA
ARIZONA
MEXICO
SAN FRANCISCO
SACRAMENTO
FRESNO
BAKERSFIELD
LOS ANGELES
SAN DIEGO

OREGON
CALIFORNIA
SACRAMENTO
STOCKTON
FRESNO
BAKERSFIELD
LOCATION OF
CENTRAL VALLEY REGION
LEGEND
WASTE TREATMENT AND DISPOSAL FACILITY
EFFLUENT OUTFALL
WASTE DISCHARGING AGENCIES
STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING
RECLAMATION OF WATER FROM WASTES
JULY 1, 1955 - JUNE 30, 1962
WASTE WATER DISCHARGES
CENTRAL VALLEY REGION (NO. 5)
1962


LOCATION OF
LAHONTAN REGION
PACIFIC
OCEAN
SACRAMENTO
SAN FRANCISCO
LOS ANGELES
SAN DIEGO
MEXICO
ARIZONA
OREGON
1
2
3
4
5
6
7
8
9
SUSANVILLE
LASSEN CO
SIERRA CO
MODOC CO
NEVADA CO
PLACER CO
EL DORADO CO
ALPINE CO
MONO CO
INYO CO
BISHOP
Owens River
Amargosa River
Mojave River
BARSTOW
VICTORVILLE
LOS ANGELES CO
KERN CO
SAN BERNARDINO CO
N E V A D A
C A L I F O R N I A
WASTE DISCHARGING AGENCIES
1. SUSANVILLE CONSOLIDATED SANITARY DISTRICT
2. SOUTH TAHOE PUBLIC UTILITIES DISTRICT
3. CITY OF BISHOP
4. U.S.N. ORDNANCE TEST STATION, CHINA LAKE
5. EDWARDS AIR FORCE BASE
6. COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY, LANCASTER PLANT
7. COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY, PALMDALE PLANT
8. VICTORVILLE SANITARY DISTRICT
9. CITY OF BARSTOW
10. U.S. MARINE CORPS SUPPLY CENTER, NEBO PLANT
LEGEND
6 WASTE TREATMENT AND DISPOSAL FACILITY
EFFLUENT OUTFALL
STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING
RECLAMATION OF WATER FROM WASTES
JULY 1, 1955 - JUNE 30, 1962
WASTE WATER DISCHARGES
LAHONTAN REGION (NO. 6)
1962
10 0 10 20 30

LOCATION OF
COLORADO RIVER BASIN REGION
OREGON
NEVADA
ARIZONA
PACIFIC OCEAN
MEXICO
SACRAMENTO
SAN FRANCISCO
LOS ANGELES
SAN DIEGO
WASTE DISCHARGING AGENCIES
1. CITY OF BANNING
2. COACHELLA SANITARY DISTRICT
3. INDIO SANITARY DISTRICT
4. CITY OF PALM SPRINGS
5. U.S. MARINE CORPS TRAINING CENTER, TWENTYNINE PALMS
6. CITY OF BRAWLEY
7. CITY OF EL CENTRO
8. CITY OF HOLTVILLE
9. CITY OF NEEDLES
10. CITY OF BLYTHE
LEGEND
WASTE TREATMENT AND DISPOSAL FACILITY
EFFLUENT OUTFALL
STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING
RECLAMATION OF WATER FROM WASTES
JULY 1, 1955 - JUNE 30, 1962
WASTE WATER DISCHARGES
COLORADO RIVER BASIN REGION (NO. 7)
1962
SCALE OF MILES
10 0 10 20
COLORADO RIVER
LAKE HAVASU
PARKER DAM
AQUEDUCT
NEEDLES
CALIFORNIA
ARIZONA
BLYTHE
IMPERIAL RESERVOIR
IMPERIAL DAM
LAGUNA DAM
Danby L.
Cadiz L.
Bristol L.
Dale L.
Palen L.
Ford L.
Deadman L.
Mesquite L.
TWENTYNINE PALMS
SAN BERNARDINO
RIVERSIDE
DESERT HOT SPRINGS
INDIO
COACHELLA
WHITEWATER
PALM SPRINGS
BANNING
SALTON SEA
Clark L.
RIVERSIDE
IMPERIAL
COACHELLA
EAST HIGHLINE CANAL
ALAMO
CALIPATRIA
BRAWLEY
HOLTVILLE
EL CENTRO
CALEXICO
IMPERIAL
WEST SIDE MAIN CANAL
SAN DIEGO IMPERIAL
Arroyo Seco
HAYFIELD RES.
Salton Cr.
San Felipe Cr.
Cottizo Cr.
S.P.
A.T. & S.F.
NEW R.
RIVER
CANAL
C
E
X
M
I
O

LOCATION OF SANTA ANA REGION

LEGEND

6 WASTE TREATMENT AND DISPOSAL FACILITY

EFFLUENT OUTFALL

WASTE DISCHARGING AGENCIES

1. CITY OF CHINO, PLANT NO. 1
2. CITY OF CHINO, PLANT NO. 2
3. CITY OF COLTON
4. CITY OF CORONA
5. U.S. MARINE CORPS AIR STATION, EL TORO
6. CITY OF FONTANA
7. KAISER STEEL CORPORATION, FONTANA
8. MARCH AIR FORCE BASE, MAIN PLANT
9. MARCH AIR FORCE BASE, WEST PLANT
10. COUNTY SANITATION DISTRICTS OF ORANGE COUNTY PLANT NO. 1
11. COUNTY SANITATION DISTRICTS OF ORANGE COUNTY, PLANT NO. 2
12. CITIES OF ONTARIO AND UPLAND
13. CITY OF REDLANDS
14. CITY OF RIALTO
15. CITY OF RIVERSIDE, PLANT NO. 1
16. CITY OF RIVERSIDE, PLANT NO. 2
17. CITY OF SAN BERNARDINO, PLANT NO. 1
18. CITY OF SAN BERNARDINO, PLANT NO. 2
19. CITY OF SEAL BEACH
20. TALBERT WATER DISTRICT

STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING

RECLAMATION OF WATER FROM WASTES
JULY 1, 1955 - JUNE 30, 1962

WASTE WATER DISCHARGES SANTA ANA REGION (NO. 8)

1962

SCALE OF MILES

4 0 4 8 12

LOCATION OF
SAN DIEGO REGION
OREGON
NEVADA
ARIZONA
MEXICO
PACIFIC OCEAN
SACRAMENTO
SAN FRANCISCO
LOS ANGELES
SAN DIEGO
WASTE DISCHARGING AGENCIES
1. CITY OF LAGUNA BEACH
2. CITY OF SAN CLEMENTE
3. CAMP JOSEPH H. PENDLETON, PLANT NO. 1
4. CAMP JOSEPH H. PENDLETON, PLANT NO. 2
5. CAMP JOSEPH H. PENDLETON, PLANT NO. 3
6. CITY OF OCEANSIDE
7. CITY OF CARLSBAD
8. VISTA SANITATION DISTRICT
9. CITY OF ESCONDIDO, PLANT NO. 1
10. CITY OF ESCONDIDO, PLANT NO. 2
11. SANTEE COUNTY WATER DISTRICT
12. CITY OF EL CAJON
13. CITY OF CORONADO, B ST. OUTFALL
14. CITY OF CORONADO, K ST. OUTFALL
15. CITY OF SAN DIEGO
16. SPRING VALLEY SANITATION DISTRICT
17. CITY OF CHULA VISTA (G ST. PLANT)
18. CITY OF CHULA VISTA (J ST. PLANT)
19. PALM CITY SANITATION DISTRICT
20. CITY OF IMPERIAL BEACH
21. INTERNATIONAL BOUNDARY AND WATER COMMISSION
LEGEND
6 WASTE TREATMENT AND DISPOSAL FACILITY
EFFLUENT OUTFALL
LAGUNA BEACH
SAN JUAN CAPISTRANO
SAN CLEMENTE
OCEANSIDE
CARLSBAD
ESCONDIDO
VISTA
DEL MAR
LA JOLLA
SAN DIEGO
EL CAJON
LA MESA
RAMONA
JULIAN
ORANGE CO
RIVERSIDE CO
SAN DIEGO CO
LAKE HENSHAW
LAKE HODGES
SAN VICENTE RES
EL CAPITAN RES
CUYAMACA RES
MORENA LAKE
BARRETT LAKE
SWEETWATER RES
LOWER OTAY RES
AQUEDUCT
STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF RESOURCES PLANNING
RECLAMATION OF WATER FROM WASTES
JULY 1, 1955 - JUNE 30, 1962
WASTE WATER DISCHARGES
SAN DIEGO REGION (NO. 9)
1962
SCALE OF MILES
4 0 4 8 12

UNIVERSITY OF CALIFORNIA, DAVIS
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Gaylord